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# Alanta Tower Simulation Volume II Appendixes

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November 1989

DOT/FAA/CT-TN89/27, II

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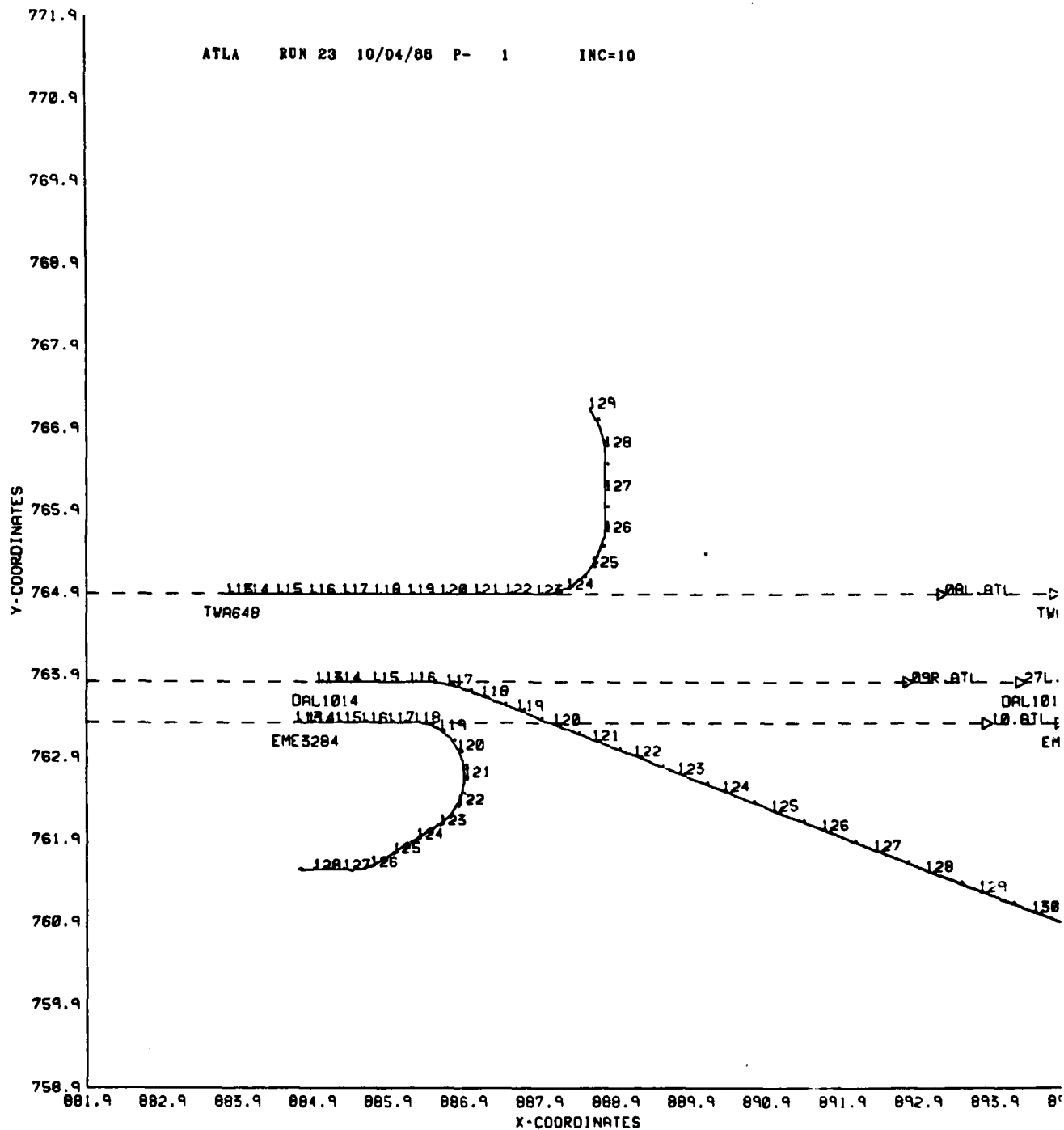
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15. Supplementary Notes			
16. Abstract  <p>At the request of the Atlanta (ATL) Facility, The Technical Center conducted dynamic real-time simulations of selected aspects of the Atlanta Tower's Airport Enhancement Plan. Atlanta controllers, who served as subjects, evaluated traffic flow to a three runway configuration with both a third parallel runway, 3000 feet south of existing runway 9R and a 30 degree converging runway. Large numbers of blunders (deviations of inbound aircraft away from their assigned localizer paths) were introduced to exercise the proposed system. In over 90 blunders during approaches to the third parallel runway, 5 resulted in closure distances between aircraft small enough to merit detailed analysis. The smallest horizontal distance involved 30 degree blunders across the 3000-foot separation with four of these also simulating a complete loss of communications. The overall simulation results demonstrated the controllers' ability to maintain an orderly flow of traffic to both the triple parallel and converging runway configurations. When repeatedly challenged by the unlikely combination of 30 degree NORDO blunders, 94 percent of were managed without incident.</p> <p>The decision on runway separation distances for new construction or runways in Atlanta should not be based solely on the results of this simulation. Additional relevant data is now available which could affect the results, including navigation data from Chicago O'Hare, and automation and radar data being collected at Memphis, Tenn. and Raleigh-Durham, N.C.</p> <p>Potential capacity restraints are possible based on a combination of flight technical error around the localizer and a normal operating zone reduced to 500 feet. There are a number of technological innovations ongoing to be considered that are being tested by the high update radar sensors at Raleigh-Durham and Memphis and the associated automation features.</p> <p style="text-align: center;"><i>ACD-340</i></p>			
17. Key Words Atlanta Tower Simulation		18. Distribution Statement This document is available to the U.S. public through the National Technical Information Service, Springfield VA 22161	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 265	22. Price

# APPENDIX C1

## PLOTS OF BLUNDERS WHICH THREATENED ONE RUNWAY



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ATLA

DATE OF RUN 10/04/88 RUN - 23 PLOT- 1

## DAL1014 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1134	885.042	763.923	3797.	1060	.00
114	1139	885.291	763.923	3709.	1060	.25
115	1149	885.787	763.923	3534.	1060	.74
116	1159	886.282	763.923	3358.	1060	1.24
117	1169	886.774	763.892	3183.	1000	1.73
118	1179	887.244	763.750	3008.	1000	2.23
119	1189	887.709	763.583	2894.	1000	2.72
120	1199	888.192	763.408	3224.	1000	3.23
121	1209	888.702	763.224	3541.	1000	3.78
122	1219	889.245	763.028	3998.	1000	4.35
123	1229	889.826	762.818	4000.	1000	4.97
124	1239	890.434	762.598	4000.	1000	5.62
125	1249	891.070	762.368	4000.	1000	6.29
126	1259	891.734	762.128	4000.	1000	7.00
127	1269	892.421	761.880	4000.	1000	7.73
128	1279	893.112	761.631	4000.	1000	8.46
129	1289	893.803	761.382	4000.	1000	9.20
130	1299	894.494	761.133	4000.	1000	9.93
131	1309	895.185	760.884	4000.	1000	10.67

## EME3284 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1134	884.768	763.431	3905.	1060	.00
114	1139	884.944	763.431	3850.	1060	.18
115	1149	885.295	763.431	3739.	1060	.53
116	1159	885.646	763.431	3628.	1060	.88
117	1169	885.995	763.431	3517.	1060	1.23
118	1179	886.344	763.431	3407.	1060	1.58
119	1189	886.678	763.342	3297.	1000	1.93
120	1199	886.921	763.098	3187.	1000	2.27
121	1209	887.010	762.766	3076.	1000	2.62
122	1219	886.921	762.435	2966.	1000	2.97
123	1229	886.679	762.193	2856.	1000	3.32
124	1239	886.378	762.020	2746.	1000	3.66
125	1249	886.079	761.847	2636.	1000	4.01
126	1259	885.777	761.680	2543.	1000	4.35
127	1269	885.418	761.635	2805.	1000	4.72
128	1279	885.022	761.635	3138.	1000	5.11

## TWA648 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
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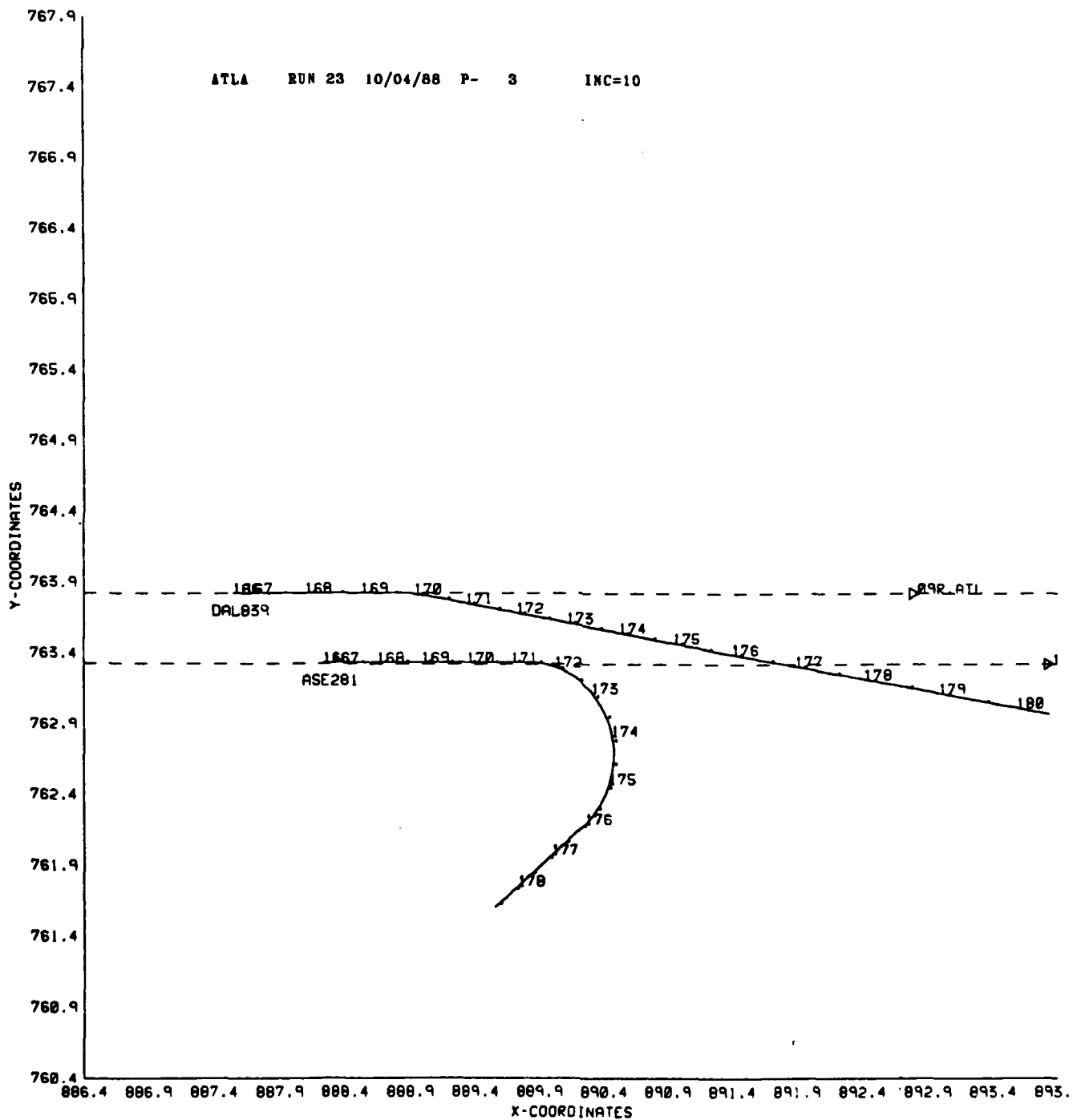
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ALGEO

GOULD C.S.D. MPX-

113	1134	883.845	764.994	4280.	1060	.00
114	1139	884.066	764.994	4204.	1060	.22
115	1149	884.507	764.994	4052.	1060	.66
116	1159	884.946	764.994	3901.	1060	1.10
117	1169	885.385	764.994	3750.	1060	1.54
118	1179	885.822	764.994	3600.	1060	1.98
119	1189	886.259	764.994	3450.	1060	2.41
120	1199	886.694	764.994	3300.	1060	2.85
121	1209	887.129	764.994	3150.	1060	3.28
122	1219	887.555	764.994	3003.	1060	3.71
123	1229	887.961	764.994	2863.	1060	4.12
124	1239	888.363	765.062	2892.	1000	4.53
125	1249	888.692	765.330	3300.	1000	4.96
126	1259	888.854	765.756	3717.	1000	5.42
127	1269	888.857	766.255	4007.	1000	5.92
128	1279	888.846	766.792	4000.	1000	6.45
129	1289	888.652	767.258	4000.	1000	6.96





ATLA

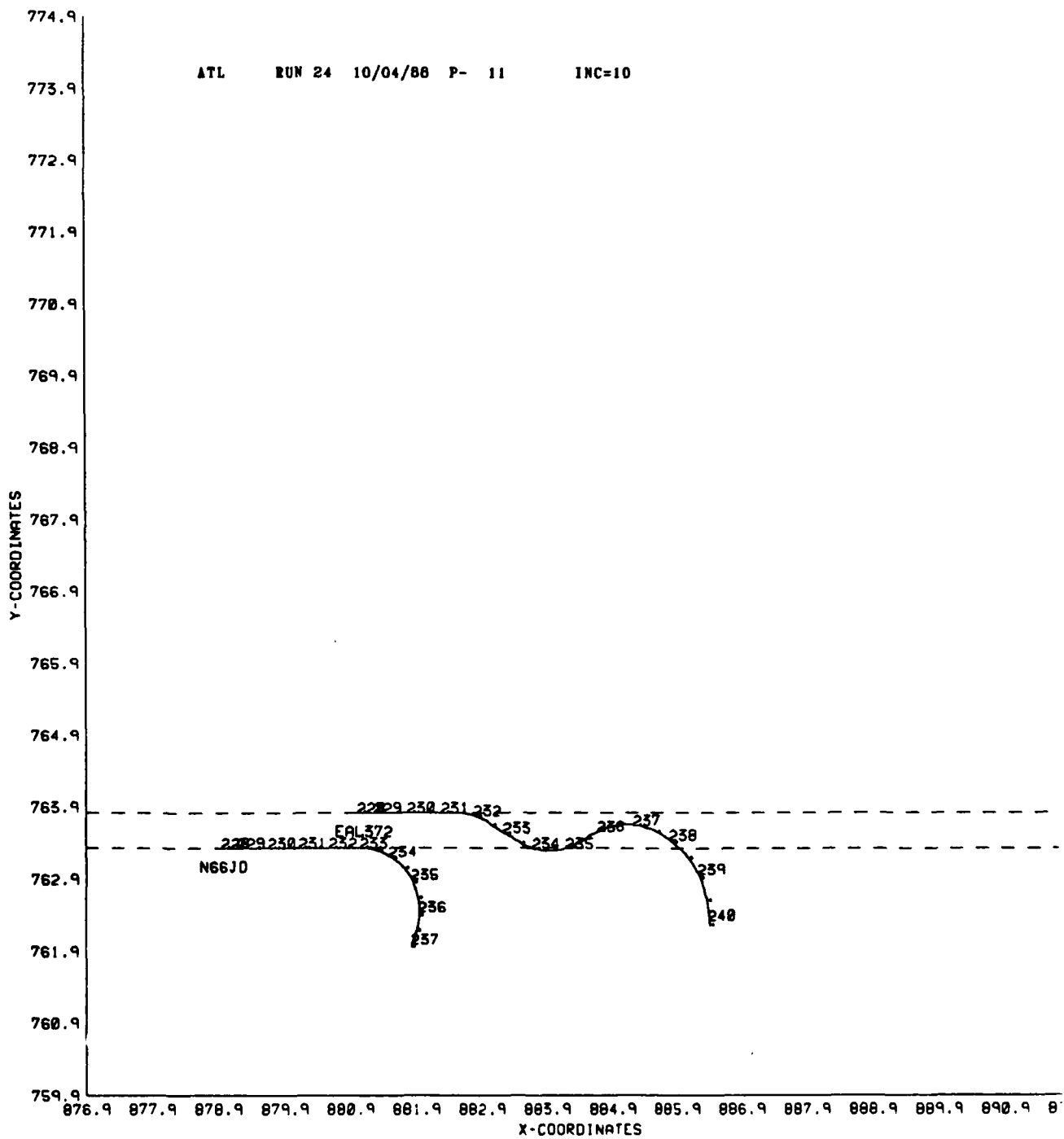
DATE OF RUN 10/04/88 RUN - 23 PLOT- 3

## DAL839 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
166	1667	887.647	763.923	2872.	1060	.00
167	1669	887.740	763.923	2839.	1060	.09
168	1679	888.195	763.923	2677.	1060	.55
169	1689	888.627	763.923	2524.	1060	.98
170	1699	889.036	763.915	2378.	1000	1.39
171	1709	889.430	763.850	2234.	1000	1.79
172	1719	889.823	763.782	2090.	1000	2.19
173	1729	890.216	763.713	1952.	1000	2.59
174	1739	890.621	763.643	2197.	1000	3.00
175	1749	891.044	763.570	2697.	1000	3.43
176	1759	891.499	763.490	3197.	1000	3.89
177	1769	891.989	763.405	3697.	1000	4.39
178	1779	892.521	763.313	3981.	1000	4.93
179	1789	893.090	763.214	4000.	1000	5.50
180	1799	893.689	763.110	4000.	1000	6.11

## ASE281 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
166	1667	888.338	763.431	2786.	1060	.00
167	1669	888.407	763.431	2764.	1060	.07
168	1679	888.752	763.431	2655.	1060	.41
169	1689	889.097	763.431	2546.	1060	.76
170	1699	889.441	763.431	2438.	1060	1.10
171	1709	889.785	763.431	2329.	1060	1.45
172	1719	890.125	763.400	2221.	1000	1.79
173	1729	890.410	763.215	2112.	1000	2.13
174	1739	890.563	762.913	2004.	1000	2.48
175	1749	890.545	762.575	1895.	1000	2.82
176	1759	890.362	762.292	1787.	1000	3.16
177	1769	890.100	762.073	1679.	1000	3.50
178	1779	889.839	761.854	1570.	1000	3.84



03/15/89

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ALGEO

GCULD C.S.O. MPX-3

ATLA

DATE OF RUN 10/04/88 RUN - 24

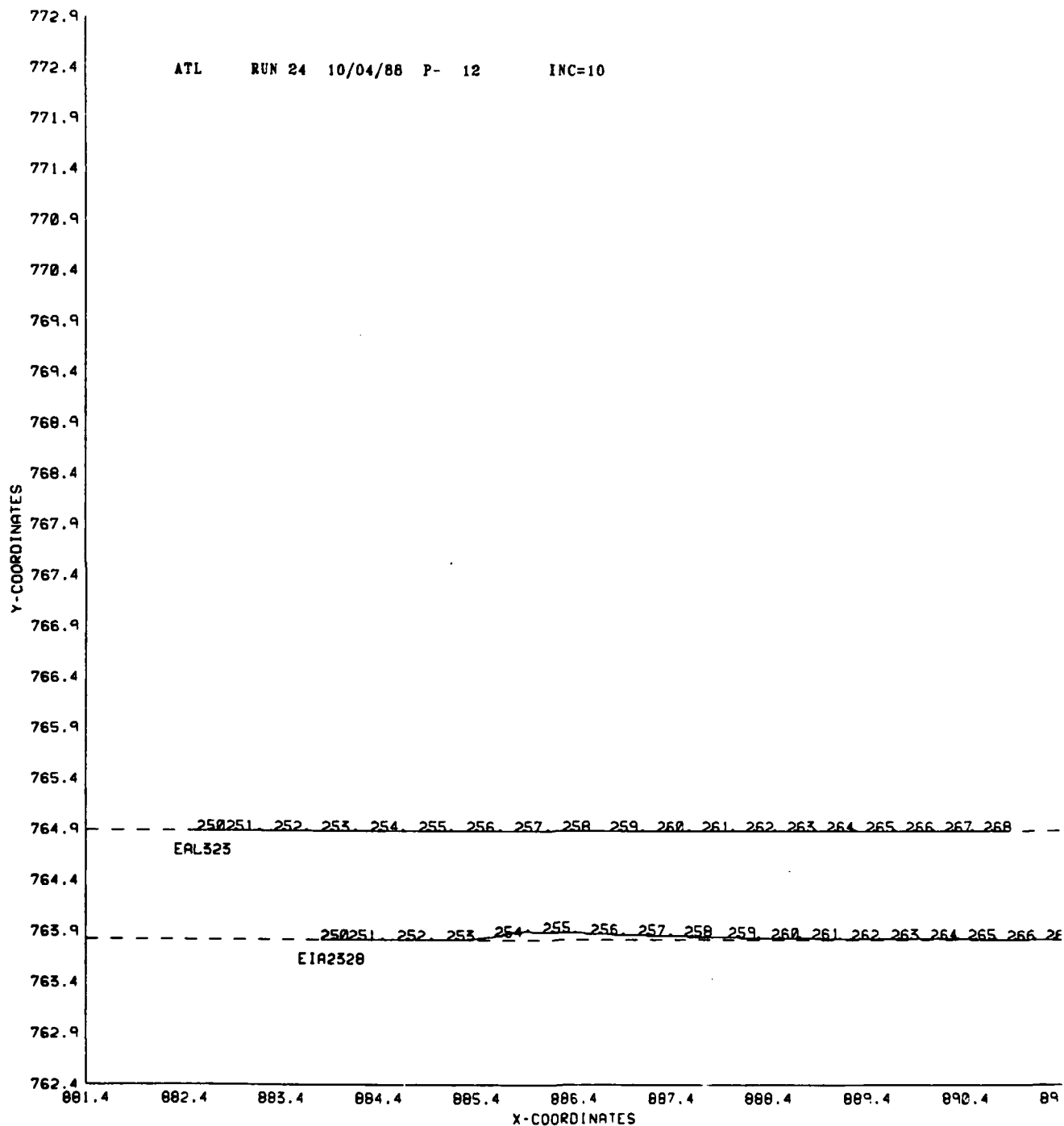
PLOT- 11

## EAL372 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
228	2284	881.116	763.923	5182.	1060	.00
229	2289	881.372	763.923	5092.	1060	.26
230	2299	881.881	763.923	4911.	1060	.76
231	2309	882.389	763.923	4731.	1060	1.27
232	2319	882.891	763.877	4552.	1000	1.78
233	2329	883.338	763.643	4373.	1000	2.28
234	2339	883.788	763.421	4193.	1000	2.79
235	2349	884.297	763.423	4230.	1000	3.30
236	2359	884.777	763.658	4641.	1000	3.84
237	2369	885.335	763.745	4998.	1000	4.41
238	2379	885.903	763.535	5000.	1000	5.02
239	2389	886.328	763.062	5000.	1000	5.66
240	2399	886.504	762.420	5000.	1000	6.34

## N66JD ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
228	2284	879.061	763.431	3994.	1060	.00
229	2289	879.294	763.431	3994.	1060	.23
230	2299	879.760	763.431	3994.	1060	.70
231	2309	880.227	763.431	3994.	1060	1.17
232	2319	880.693	763.431	3994.	1060	1.63
233	2329	881.159	763.431	3994.	1060	2.10
234	2339	881.605	763.313	3994.	1000	2.56
235	2349	881.931	762.987	3994.	1000	3.03
236	2359	882.050	762.541	3994.	1000	3.50
237	2369	881.942	762.091	3994.	1000	3.96



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ALGEO

GCULD C.S.D. MPX-

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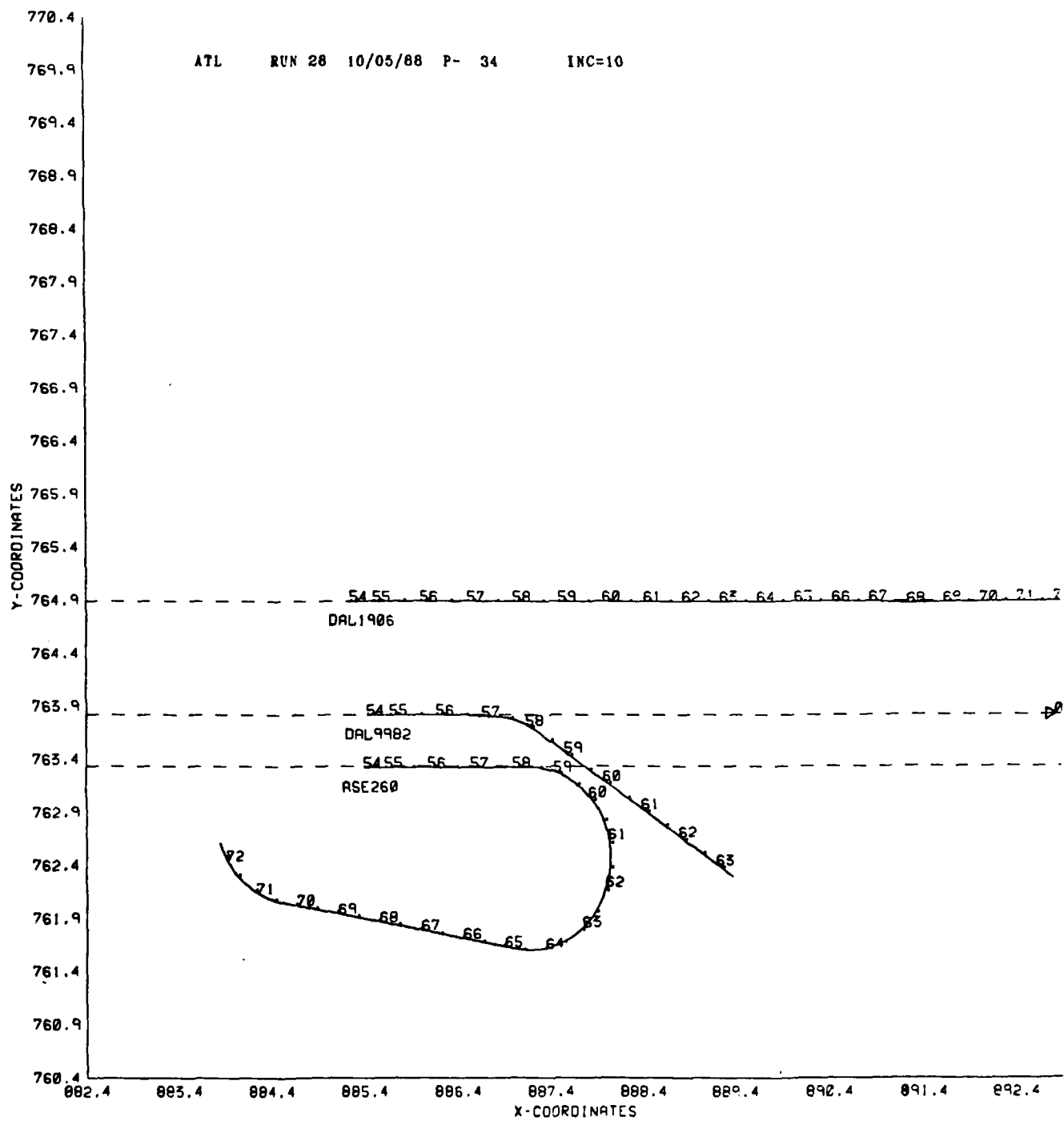
DATE OF RUN 10/04/88 RUN - 24 PLOT- 12

## EIA2328 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
250	2503	883.915	763.923	4196.	1060	.00
251	2509	884.214	763.923	4090.	1060	.30
252	2519	884.710	763.923	3914.	1060	.79
253	2529	885.206	763.923	3739.	1060	1.29
254	2539	885.697	763.963	3564.	1060	1.78
255	2549	886.186	764.001	3383.	1060	2.28
256	2559	886.677	763.982	3209.	1060	2.77
257	2569	887.167	763.967	3035.	1060	3.26
258	2579	887.646	763.955	2882.	1060	3.74
259	2589	888.103	763.947	2720.	1060	4.19
260	2599	888.536	763.940	2565.	1060	4.63
261	2609	888.948	763.935	2419.	1060	5.04
262	2619	889.348	763.933	2277.	1060	5.44
263	2629	889.749	763.930	2135.	1060	5.84
264	2639	890.146	763.928	1994.	1060	6.24
265	2649	890.544	763.925	1853.	1060	6.64
266	2659	890.942	763.923	1713.	1060	7.03
267	2669	891.338	763.924	1572.	1060	7.43
268	2679	891.733	763.926	1432.	1060	7.83

## EAL323 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
250	2503	882.641	764.994	4690.	1060	.00
251	2509	882.939	764.994	4587.	1060	.30
252	2519	883.436	764.994	4416.	1060	.80
253	2529	883.932	764.994	4246.	1060	1.29
254	2539	884.426	764.994	4076.	1060	1.79
255	2549	884.919	764.994	3906.	1060	2.28
256	2559	885.411	764.994	3737.	1060	2.77
257	2569	885.901	764.994	3569.	1060	3.26
258	2579	886.391	764.994	3400.	1060	3.75
259	2589	886.879	764.994	3232.	1060	4.24
260	2599	887.365	764.994	3065.	1060	4.72
261	2609	887.832	764.994	2904.	1060	5.19
262	2619	888.277	764.994	2750.	1060	5.64
263	2629	888.699	764.994	2619.	1060	6.06
264	2639	889.103	764.994	2479.	1060	6.46
265	2649	889.503	764.994	2342.	1060	6.86
266	2659	889.904	764.994	2204.	1060	7.26
267	2669	890.303	764.994	2067.	1060	7.66
268	2679	890.701	764.994	1930.	1060	8.06



ATL

DATE OF RUN 10/05/88 RUN - 28 PLOT- 34

## DAL9982 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
54	544	885.533	763.918	3621.	1067	.00
55	549	885.781	763.918	3533.	1060	.25
56	559	886.277	763.919	3358.	1060	.74
57	569	886.770	763.906	3183.	1067	1.24
58	579	887.252	763.821	3008.	1000	1.73
59	589	887.669	763.563	2833.	1000	2.22
60	599	888.081	763.297	2659.	1000	2.71
61	609	888.491	763.031	2484.	1000	3.20
62	619	888.902	762.767	2309.	1000	3.69
63	629	889.309	762.504	2134.	1000	4.17

## ASE260 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
54	544	885.503	763.421	3720.	1060	.00
55	549	885.733	763.422	3647.	1060	.23
56	559	886.192	763.422	3502.	1060	.69
57	569	886.651	763.422	3357.	1060	1.15
58	579	887.107	763.423	3213.	1060	1.60
59	589	887.557	763.382	2995.	1000	2.06
60	599	887.927	763.143	2662.	1000	2.50
61	609	888.130	762.747	2497.	1000	2.95
62	619	888.107	762.299	2500.	1000	3.41
63	629	887.864	761.922	2500.	1000	3.86
64	639	887.464	761.717	2500.	1000	4.32
65	649	887.014	761.732	2500.	1000	4.77
66	659	886.568	761.810	2500.	1000	5.22
67	669	886.121	761.888	2500.	1000	5.68
68	679	885.674	761.966	2500.	1000	6.13
69	689	885.227	762.044	2500.	1000	6.58
70	699	884.781	762.123	2500.	1000	7.04
71	709	884.335	762.201	2500.	1000	7.49
72	719	884.017	762.547	2500.	1000	7.94

## DAL1906 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
54	544	885.355	764.994	3755.	1060	.00
55	549	885.608	764.994	3668.	1060	.25
56	559	886.111	764.993	3495.	1060	.76
57	569	886.614	764.993	3322.	1060	1.26
58	579	887.115	764.990	3150.	1060	1.76
59	589	887.606	764.990	2980.	1060	2.25

03/06/89

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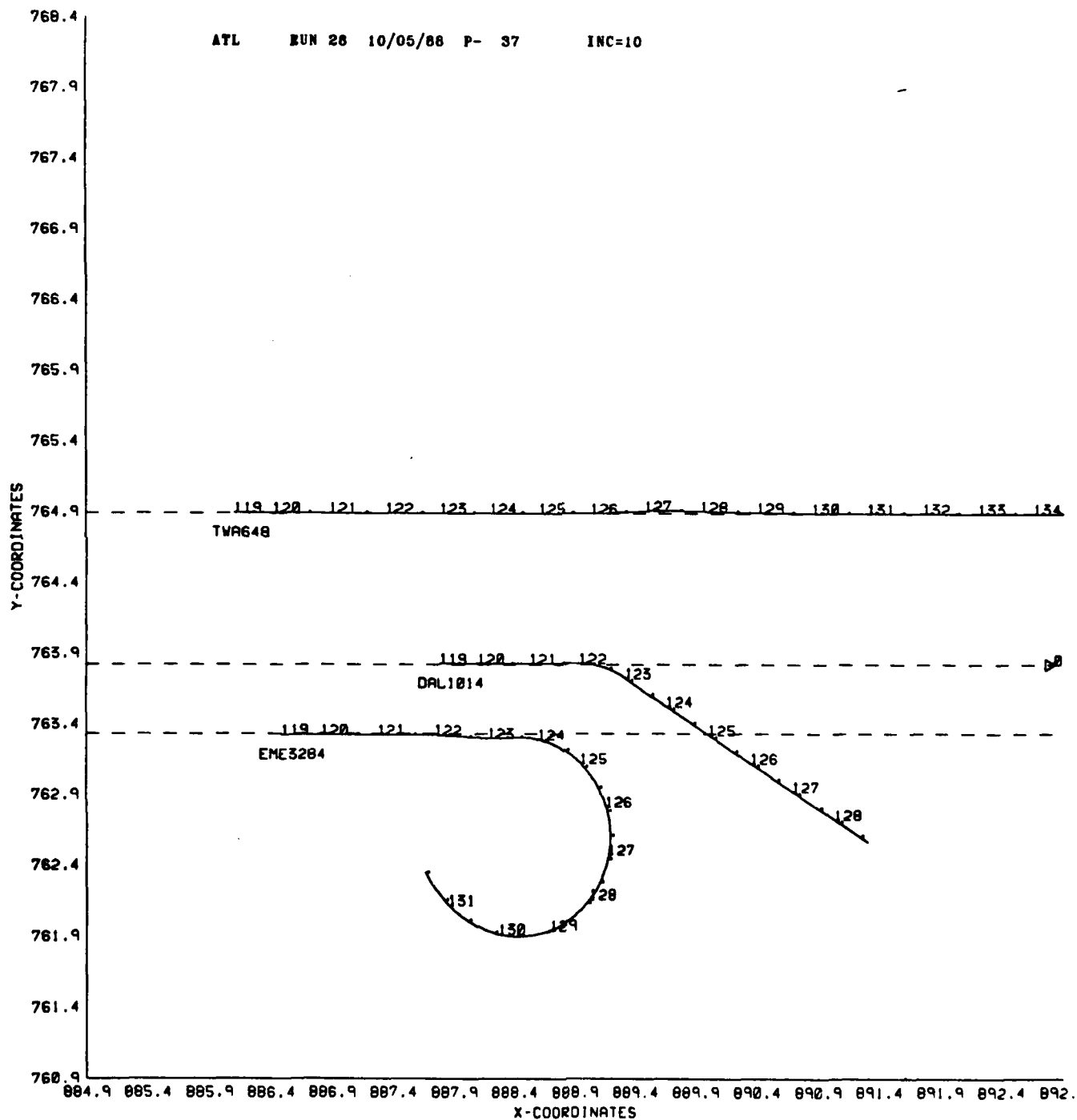
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ALGEO

GCULD C.S.D. MPX-

60	599	888.076	764.990	2834.	1060	2.72
61	609	888.523	764.990	2679.	1060	3.17
62	619	888.947	764.990	2533.	1060	3.59
63	629	889.351	764.990	2393.	1060	4.00
64	639	889.752	764.990	2255.	1067	4.40
65	649	890.152	764.990	2118.	1060	4.80
66	659	890.550	764.990	1981.	1060	5.19
67	669	890.948	764.990	1844.	1060	5.59
68	679	891.344	764.972	1707.	1067	5.99
69	689	891.740	764.983	1571.	1067	6.39
70	699	892.135	764.987	1435.	1060	6.78
71	709	892.531	764.989	1299.	1060	7.18
72	719	892.925	764.989	1163.	1200	7.57





ATL

DATE OF RUN 10/05/83 RUN - 28 PLOT- 37

## DAL1014 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
119	1192	587.879	763.927	2788.	1060	.00
120	1199	588.195	763.927	2676.	1060	.32
121	1209	583.627	763.927	2522.	1060	.75
122	1219	589.037	763.927	2374.	1067	1.16
123	1229	589.412	763.824	2226.	1000	1.56
124	1239	589.762	763.623	2079.	1000	1.96
125	1249	590.106	763.423	1931.	1000	2.35
126	1259	590.451	763.223	1783.	1000	2.75
127	1269	590.793	763.022	1635.	1000	3.15
128	1279	591.135	762.825	1488.	1000	3.54

## EME3264 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
119	1192	586.537	763.422	3331.	1060	.00
120	1199	586.914	763.422	3229.	1060	.33
121	1209	587.373	763.423	3082.	1060	.79
122	1219	587.839	763.423	2936.	1067	1.25
123	1229	588.280	763.400	2792.	1060	1.69
124	1239	588.697	763.391	2636.	1000	2.11
125	1249	589.048	763.220	2500.	1000	2.51
126	1259	589.254	762.917	2690.	1000	2.86
127	1269	589.279	762.576	3023.	1000	3.22
128	1279	589.123	762.260	3357.	1000	3.58
129	1289	588.799	762.044	3690.	1000	3.97
130	1299	588.372	762.016	3987.	1000	4.41
131	1309	587.953	762.222	3877.	1000	4.86

## TWA646 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
119	1192	586.210	764.994	3464.	1060	.00
120	1199	586.521	764.993	3358.	1060	.31
121	1209	586.953	764.993	3199.	1060	.77
122	1219	587.444	764.992	3041.	1060	1.23
123	1229	587.833	764.992	2889.	1060	1.67
124	1239	588.299	764.992	2745.	1060	2.09
125	1249	588.705	764.992	2606.	1060	2.49
126	1259	589.134	764.990	2459.	1060	2.92
127	1269	589.537	765.009	2306.	1067	3.38
128	1279	590.043	765.003	2150.	1060	3.75
129	1289	590.500	764.993	1997.	1060	4.29
130	1299	590.954	764.993	1836.	1060	4.74

03/06/89

16:32:26

TASK # 1600011A

ALGEO

GCULD C.S.D. MPX-3

131	1309	391.408	764.991	1630.	1060	5.20
132	1319	391.361	764.989	1525.	1060	5.05
133	1329	392.312	764.989	1369.	1060	5.10
134	1339	392.765	764.989	1214.	1060	5.55
135	1349	392.987	764.989	1079.	1201	6.78



ATL

DATE OF RUN 10/05/88 RUN - 28 PLOT- 42

## EAL1627 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
296	2961	886.357	763.922	3283.	1060	.00
297	2969	887.251	763.922	3148.	1060	.39
298	2979	887.757	763.922	2979.	1067	.87
299	2989	883.210	763.947	2814.	1060	1.32
300	2999	883.621	764.056	2650.	1000	1.75
301	3009	883.973	764.262	2494.	1000	2.16
302	3019	889.320	764.462	2338.	1000	2.56
303	3029	889.666	764.662	2182.	1000	2.96
304	3039	890.010	764.862	2026.	1000	3.36
305	3049	890.354	765.062	1870.	1000	3.76
306	3059	890.697	765.263	1714.	1000	4.16
307	3069	891.039	765.460	1558.	1000	4.55
308	3079	891.381	765.658	1402.	1000	4.95
309	3089	891.722	765.856	1246.	1000	5.34

## AA03314 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
296	2961	884.903	763.416	3865.	1067	.00
297	2969	885.272	763.420	3749.	1067	.37
298	2979	885.731	763.422	3604.	1060	.83
299	2989	886.190	763.422	3459.	1060	1.29
300	2999	886.646	763.422	3314.	1060	1.75
301	3009	887.105	763.423	3170.	1060	2.20
302	3019	887.561	763.423	3026.	1060	2.66
303	3029	888.009	763.423	2884.	1060	3.11
304	3039	888.434	763.423	2749.	1060	3.53
305	3049	888.837	763.423	2621.	1060	3.93
306	3059	889.217	763.423	2512.	1060	4.31
307	3069	889.575	763.423	2393.	1060	4.67
308	3079	889.920	763.424	2290.	1060	5.02
309	3089	890.263	763.424	2181.	1060	5.36

## MID186 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
296	2961	884.570	764.994	4021.	1060	.00
297	2969	884.972	764.994	3933.	1060	.40
298	2979	885.475	764.994	3710.	1060	.91
299	2989	885.976	764.993	3555.	1060	1.41
300	2999	886.476	764.993	3383.	1060	1.91
301	3009	886.974	764.993	3211.	1060	2.40
302	3019	887.456	765.094	3040.	1000	2.90

03/06/89

16:32:26

TASK # 1500711A

ALGEO

GCULD C.S.D. MPX-32

303	3029	887.323	765.424	2905.	1000	3.40
304	3039	887.981	765.909	3202.	1000	3.92
305	3049	887.869	766.436	3619.	1000	4.46
306	3059	887.483	766.861	4036.	1000	5.04
307	3069	886.959	767.167	4452.	1000	5.65
308	3079	886.401	767.489	4869.	1000	6.29
309	3089	885.313	767.829	5286.	1000	6.97



03/21/89

15:15:51

TASK # 040C0200

ALGEO

GOULD C.S.O. MPX-

10/0

DATE OF RUN 5/8829 RUN - 1 PLOT-

## EAL362 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	720	889.481	763.927	2229.	1067	.00
73	729	889.341	763.926	2101.	1060	.36
74	739	890.239	763.926	1960.	1060	.76
75	749	890.833	763.839	1819.	1000	1.16
76	759	890.933	763.704	1679.	1000	1.55
77	769	891.324	763.504	1538.	1000	1.95
78	779	891.666	763.306	1397.	1000	2.34
79	789	892.003	763.106	1256.	1000	2.74
80	799	892.348	762.911	1141.	1000	3.13
81	809	892.690	762.713	1031.	1000	3.53
82	819	893.032	762.515	1026.	1000	3.92
83	829	893.374	762.317	1026.	1000	4.32
84	839	893.716	762.120	1026.	1000	4.71

## AA03300 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	720	889.207	760.140	2872.	1060	.00
73	729	889.556	760.366	2736.	1067	.42
74	739	889.925	760.605	2590.	1060	.86
75	749	890.276	760.832	2453.	1060	1.27
76	759	890.608	761.047	2337.	1060	1.67
77	769	890.921	761.250	2215.	1067	2.04
78	779	891.227	761.421	2096.	1000	2.39
79	789	891.564	761.438	1978.	1000	2.74
80	799	891.873	761.278	2072.	1000	3.09
81	809	892.075	760.963	2405.	1000	3.47
82	819	892.111	760.546	2589.	1000	3.89
83	829	892.111	760.095	2922.	1000	4.34
84	839	892.111	759.613	3255.	1000	4.82
85	849	892.111	759.126	3589.	1000	5.31
86	859	892.111	758.635	3922.	1000	5.80
87	869	892.111	758.124	4255.	1000	6.31
88	879	892.111	757.574	4589.	1000	6.86
89	889	892.111	756.987	4922.	1000	7.45
90	899	892.111	756.362	5255.	1000	8.07

## EAL453 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	720	886.400	764.985	3408.	1060	.00
73	729	886.351	764.985	3253.	1067	.45
74	739	887.350	764.986	3031.	1067	.95
75	749	887.351	764.999	2911.	1060	1.43



03/21/39

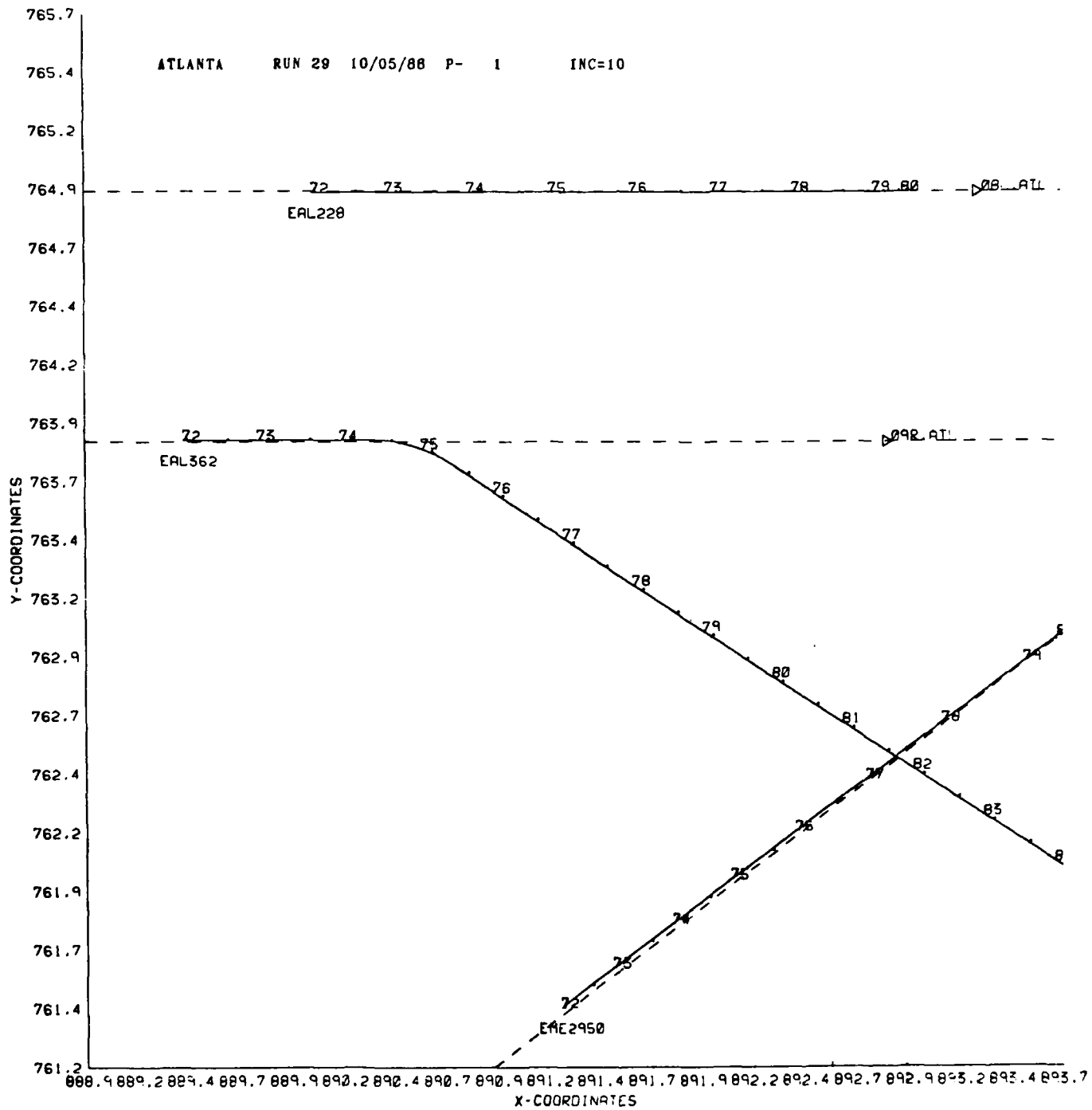
15:15:51

TASK # 04000200

ALGEO

GOULD C.S.D. MPX-

76	759	883.289	764.995	2750.	1067	1.89
77	769	883.724	764.993	2599.	1060	2.32
78	779	889.138	764.992	2456.	1060	2.74
79	789	889.538	764.992	2332.	1067	3.14
80	799	889.938	764.991	2194.	1067	3.54
81	809	890.338	764.989	2056.	1060	3.94
82	819	890.736	764.987	1919.	1060	4.34
83	829	891.134	764.987	1783.	1060	4.73
84	839	891.531	764.985	1646.	1057	5.13
85	849	891.928	764.984	1510.	1060	5.53
86	859	892.322	764.983	1374.	1060	5.92
87	869	892.717	764.983	1238.	1060	6.32
88	879	892.952	764.989	1109.	1201	6.55



10/0

DATE OF RUN 5/8829 RUN - 1 PLOT-

## EAL362 ACTUAL FLIGHT:

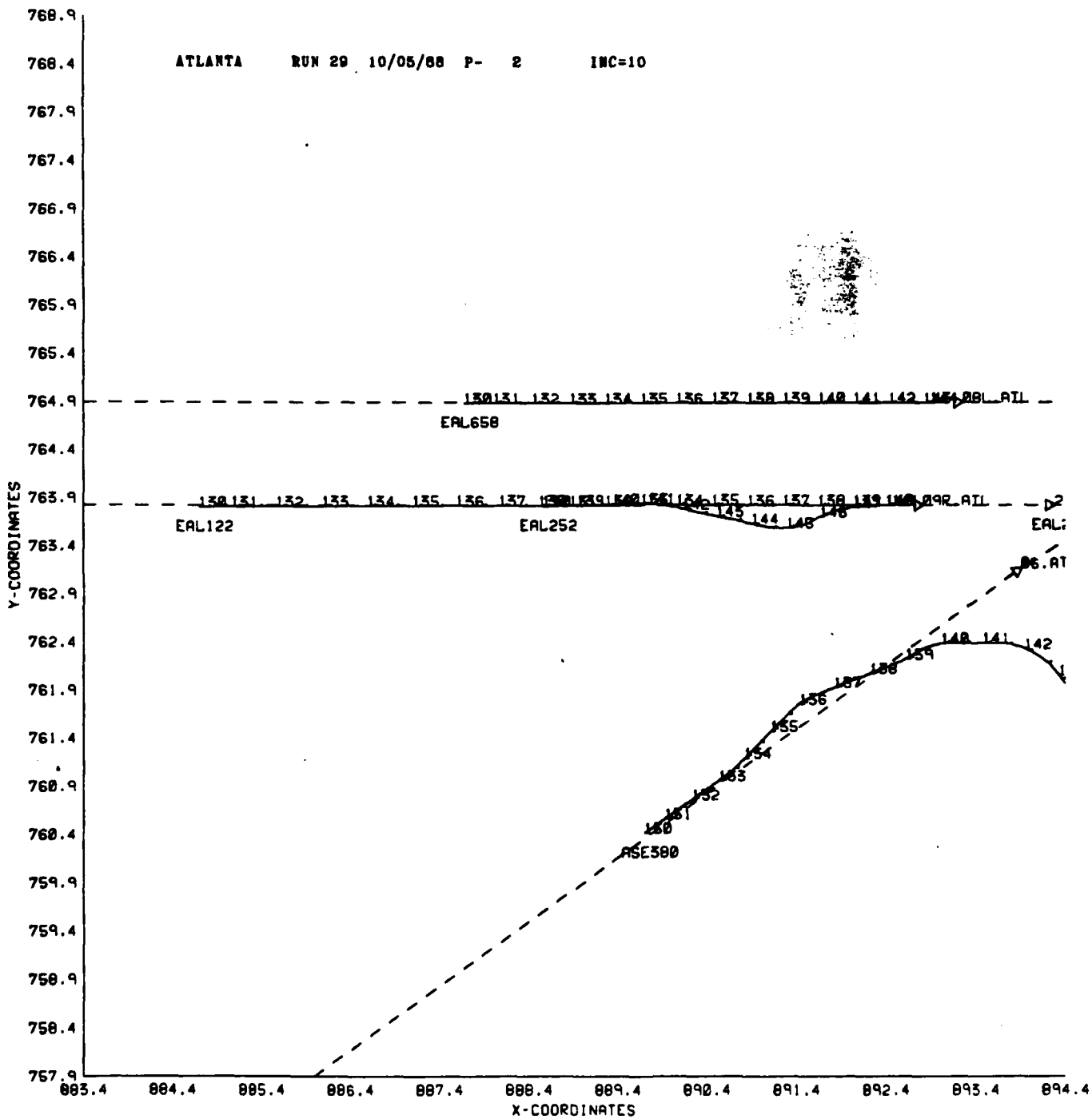
INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	720	889.431	763.927	2229.	1067	.00
73	729	889.841	763.926	2101.	1060	.36
74	739	890.239	763.926	1960.	1060	.76
75	749	890.633	763.834	1819.	1000	1.16
76	759	890.983	763.704	1678.	1000	1.55
77	769	891.324	763.504	1538.	1000	1.95
78	779	891.666	763.306	1397.	1000	2.34
79	789	892.006	763.108	1256.	1000	2.74
80	799	892.343	762.911	1141.	1000	3.13
81	809	892.690	762.713	1081.	1000	3.53
82	819	893.032	762.515	1026.	1000	3.92
83	829	893.374	762.317	1026.	1000	4.32
84	839	893.716	762.120	1026.	1000	4.71

## EME2950 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	720	891.313	761.503	2086.	1060	.00
73	729	891.570	761.673	1986.	1060	.31
74	739	891.855	761.861	1875.	1060	.65
75	749	892.146	762.050	1764.	1060	1.00
76	759	892.460	762.254	1643.	1060	1.37
77	769	892.802	762.476	1512.	1060	1.78
78	779	893.169	762.717	1370.	1060	2.22
79	789	893.564	762.974	1218.	1060	2.69
80	799	893.729	763.083	1048.	1201	2.89

## EAL228 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	720	890.463	764.985	2132.	1060	.00
73	729	890.862	764.987	2009.	1060	.36
74	739	890.860	764.987	1872.	1060	.76
75	749	891.258	764.987	1735.	1060	1.15
76	759	891.654	764.988	1599.	1060	1.55
77	769	892.049	764.988	1462.	1060	1.95
78	779	892.445	764.988	1327.	1060	2.34
79	789	892.839	764.989	1191.	1060	2.74
80	799	892.980	764.989	1069.	1201	2.88



03/21/89

15:15:51

TASK # 04000200

ALGEO

GCULD C.S.D. MPX-

10/0

DATE OF RUN 5/8829 RUN - 2 PLOT-

## ASE380 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
130	1302	889.799	760.516	2550.	1060	.00
131	1309	890.027	760.666	2561.	1060	.27
132	1319	890.338	760.366	2437.	1067	.64
133	1329	890.632	761.059	2322.	1060	.99
134	1339	890.921	761.294	2205.	1000	1.37
135	1349	891.216	761.572	2088.	1000	1.77
136	1359	891.535	761.853	1971.	1000	2.20
137	1369	891.924	762.026	1853.	1066	2.63
138	1379	892.325	762.173	1736.	1066	3.05
139	1389	892.724	762.322	1619.	1066	3.48
140	1399	893.122	762.483	1714.	1000	3.91
141	1409	893.582	762.490	2048.	1000	4.37
142	1419	894.054	762.431	2381.	1000	4.85
143	1429	894.438	762.151	2714.	1000	5.33
144	1439	894.633	761.712	2988.	1000	5.82
145	1449	894.644	761.207	3000.	1000	6.33
146	1459	894.644	760.668	3000.	1000	6.86
147	1469	894.644	760.096	3000.	1000	7.44
148	1479	894.644	759.489	3000.	1000	8.04

## EAL252 ACTUAL FLIGHT.

INC	TIME	X	Y	ALT	TRACK	DISTANCE
130	1302	888.655	763.919	2579.	1067	.00
131	1309	888.952	763.920	2471.	1067	.30
132	1319	889.359	763.923	2323.	1060	.70
133	1329	889.760	763.935	2181.	1067	1.10
134	1339	890.158	763.930	2040.	1060	1.50
135	1349	890.556	763.928	1899.	1060	1.90
136	1359	890.954	763.926	1758.	1060	2.30
137	1369	891.350	763.926	1618.	1060	2.70
138	1379	891.745	763.925	1472.	1060	3.09
139	1389	892.140	763.925	1320.	1060	3.49
140	1399	892.502	763.925	1179.	1201	3.85
141	1409	892.875	763.925	1027.	1201	3.92

## EAL658 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
130	1302	887.772	764.986	3021.	1060	.00
131	1309	888.094	764.986	2910.	1060	.32
132	1319	888.534	764.986	2758.	1060	.76
133	1329	888.951	764.986	2613.	1067	1.18
134	1339	889.353	764.986	2472.	1067	1.58

03/21/89

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TASK # 04000200

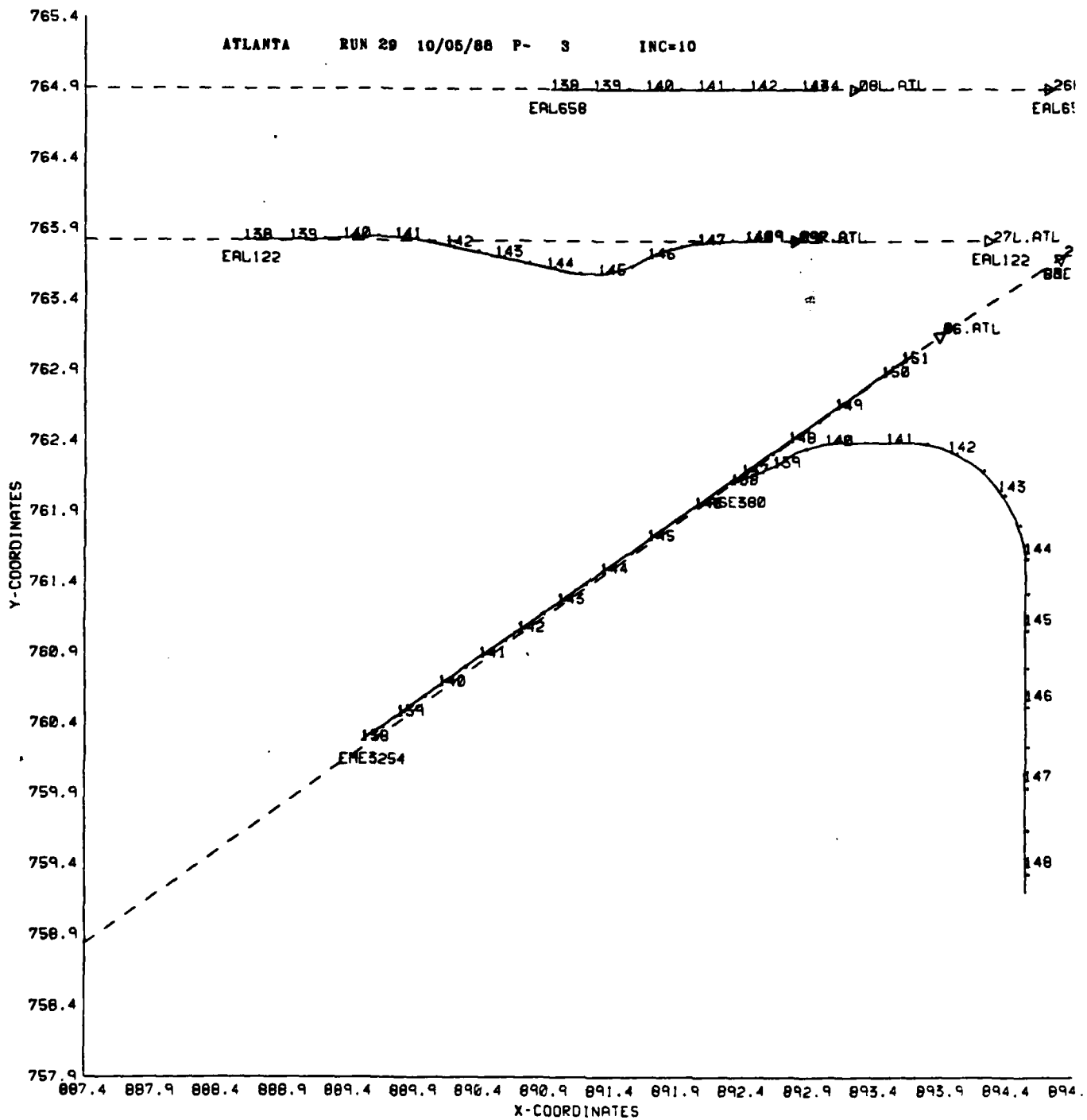
ALGEO

Gould C.S.D. MPX-

135	1349	889.753	764.986	2334.	1060	1.98
136	1359	890.154	764.986	2196.	1060	2.38
137	1369	890.553	764.987	2059.	1067	2.78
138	1379	890.951	764.987	1916.	1060	3.18
139	1389	891.349	764.987	1773.	1067	3.58
140	1399	891.745	764.986	1623.	1060	3.97
141	1409	892.141	764.989	1481.	1060	4.37
142	1419	892.535	764.939	1325.	1060	4.76
143	1429	892.929	764.939	1190.	1200	5.16
144	1439	893.005	764.989	1046.	1201	5.23

## EAL122 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
130	1302	884.797	763.904	3891.	1060	.00
131	1309	885.156	763.907	3764.	1060	.36
132	1319	885.567	763.911	3533.	1060	.87
133	1329	886.178	763.913	3402.	1067	1.38
134	1339	886.687	763.916	3222.	1060	1.89
135	1349	887.194	763.918	3042.	1060	2.40
136	1359	887.689	763.920	2866.	1060	2.89
137	1369	888.160	763.923	2699.	1060	3.36
138	1379	888.609	763.925	2539.	1060	3.81
139	1389	889.036	763.926	2337.	1060	4.24
140	1399	889.441	763.937	2242.	1067	4.64
141	1409	889.840	763.942	2100.	1060	5.04
142	1419	890.232	763.887	1923.	1000	5.44
143	1429	890.609	763.811	1546.	1000	5.83
144	1439	890.999	763.733	1500.	1000	6.22
145	1449	891.393	763.687	1494.	1060	6.62
146	1459	891.768	763.803	1426.	1060	7.02
147	1469	892.149	763.902	1286.	1060	7.41
148	1479	892.510	763.923	1148.	1201	7.77



10/0

DATE OF RUN 5/8829 RUN - 3 PLOT-

## EAL122 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
133	1331	853.597	763.920	2503.	1060	.00
137	1337	857.030	763.925	2387.	1060	.34
140	1349	857.441	763.937	2242.	1067	.74
141	1407	889.340	763.942	2100.	1060	1.14
142	1417	890.232	763.357	1923.	1000	1.54
143	1429	890.609	763.811	1546.	1000	1.93
144	1439	890.999	763.733	1500.	1000	2.32
145	1449	891.393	763.687	1494.	1060	2.72
146	1459	891.763	763.803	1426.	1060	3.12
147	1469	892.149	763.902	1236.	1060	3.51
148	1479	892.510	763.923	1148.	1201	3.87
149	1489	892.536	763.925	1026.	1202	3.95

## ASE380 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
138	1381	892.405	762.202	1712.	1066	.00
139	1389	892.724	762.322	1619.	1066	.34
140	1399	893.122	762.483	1714.	1000	.77
141	1409	893.582	762.490	2048.	1000	1.23
142	1419	894.054	762.431	2381.	1000	1.71
143	1429	894.438	762.151	2714.	1000	2.19
144	1439	894.633	761.712	2988.	1000	2.68
145	1449	894.644	761.207	3000.	1000	3.19
146	1459	894.644	760.668	3000.	1000	3.72
147	1469	894.644	760.096	3000.	1000	4.30
148	1479	894.644	759.489	3000.	1000	4.90

## EAL658 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
138	1381	891.034	764.987	1888.	1060	.00
139	1389	891.349	764.987	1773.	1067	.32
140	1399	891.745	764.988	1623.	1060	.71
141	1409	892.141	764.989	1481.	1060	1.11
142	1419	892.535	764.989	1325.	1060	1.50
143	1429	892.929	764.989	1190.	1200	1.90
144	1439	893.005	764.989	1046.	1201	1.97

## EME3254 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
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05/21/89

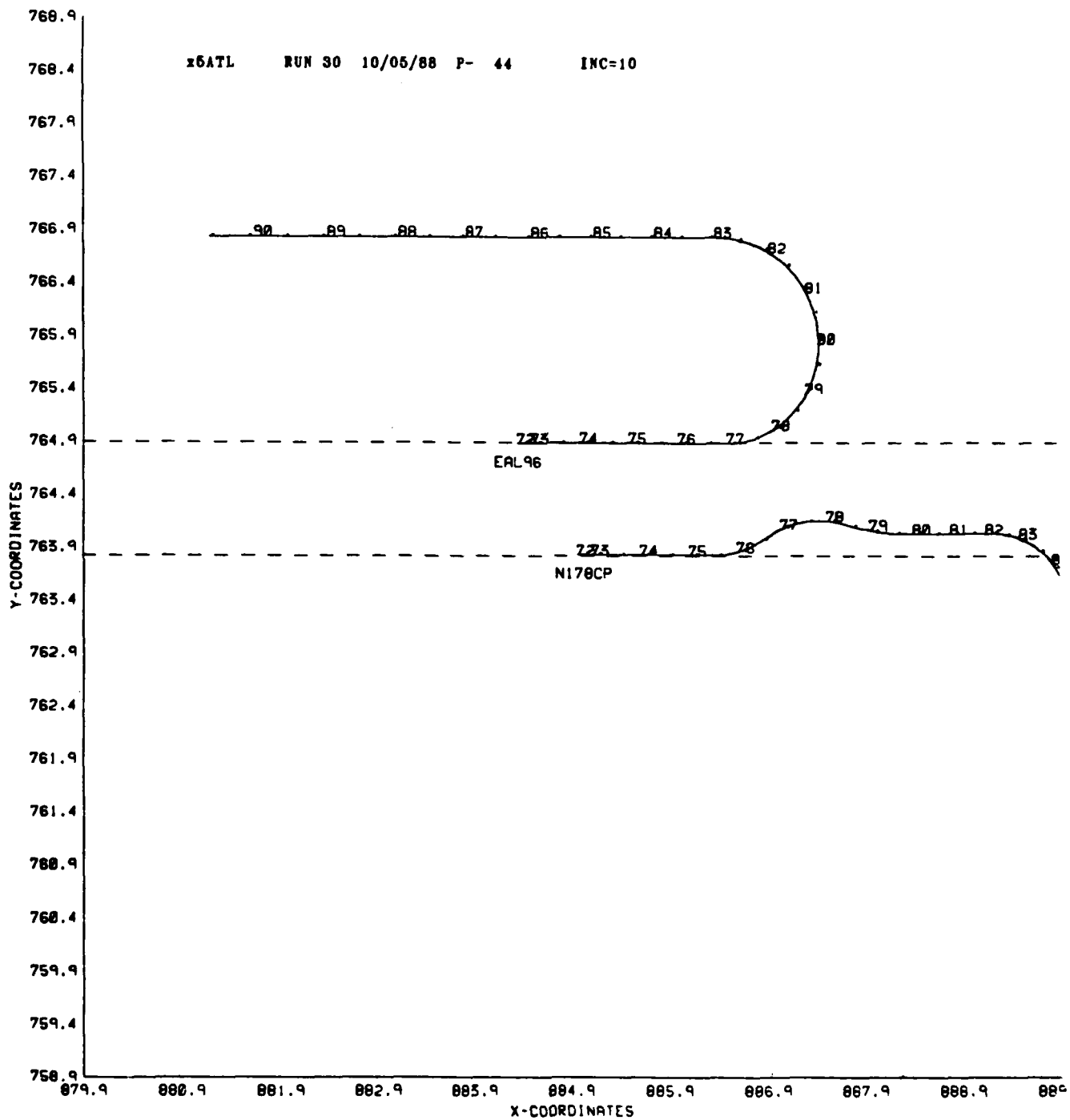
15:38:29

TASK # 32000268

ALGEO

GOULD C.S.D. MPX

138	1381	889.591	760.377	2724.	1060	.00
139	1389	889.865	760.556	2618.	1060	.33
140	1399	890.190	760.770	2491.	1060	.72
141	1409	890.496	760.971	2371.	1060	1.08
142	1419	890.790	761.155	2255.	1067	1.43
143	1429	891.092	761.354	2150.	1060	1.79
144	1439	891.420	761.571	2023.	1060	2.18
145	1449	891.773	761.803	1887.	1060	2.61
146	1459	892.130	762.038	1749.	1060	3.03
147	1469	892.485	762.272	1610.	1060	3.46
148	1479	892.843	762.500	1472.	1067	3.88
149	1489	893.197	762.733	1335.	1060	4.31
150	1499	893.551	762.965	1198.	1060	4.73
151	1509	893.703	763.063	1070.	1201	4.91



x SATL

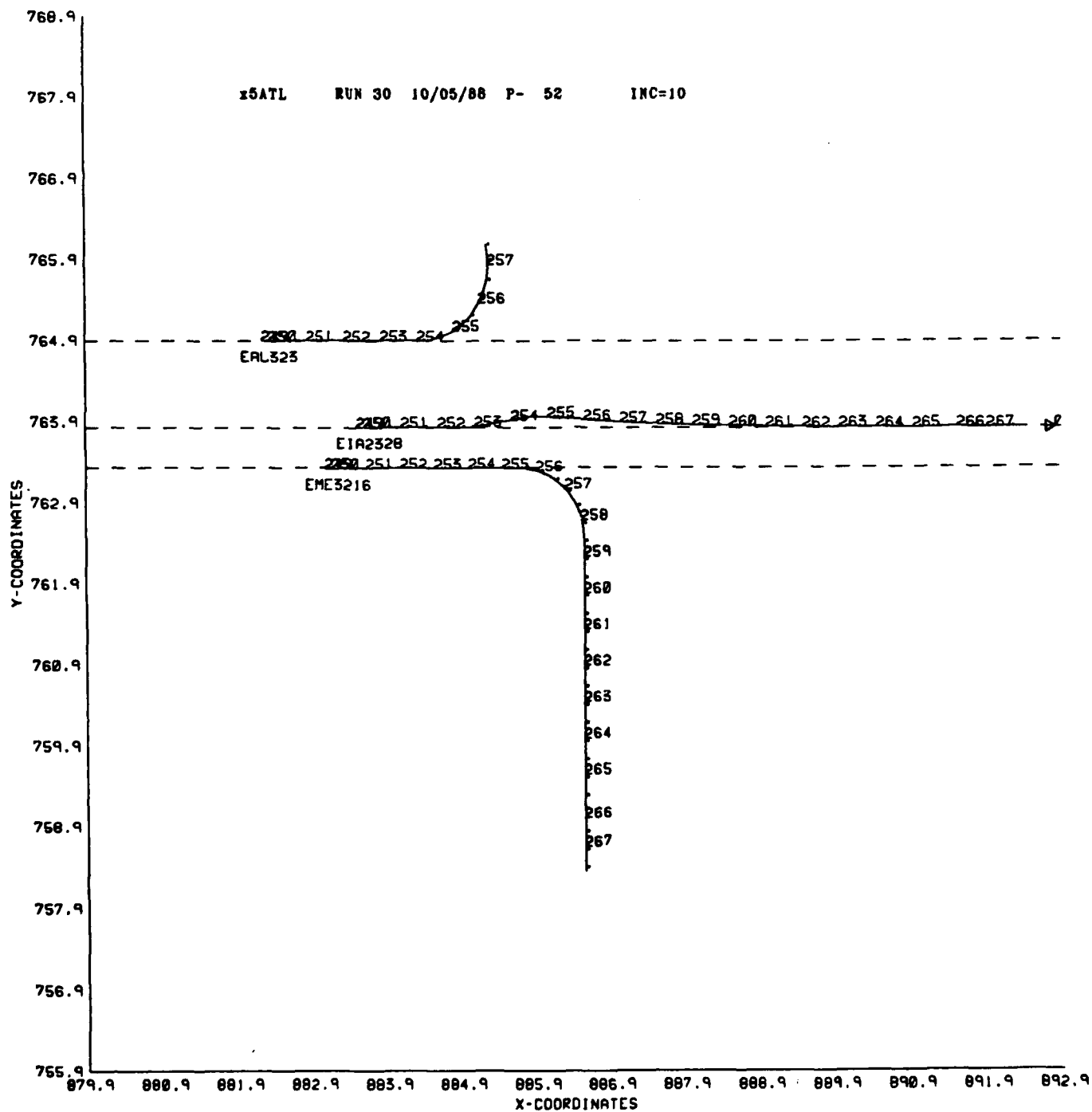
DATE OF RUN 10/05/88 RUN - 30 PLOT- 44

## N178CP ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	726	885.056	763.927	3791.	1060	.00
73	729	885.204	763.927	3738.	1067	.15
74	739	885.698	763.927	3563.	1060	.64
75	749	886.191	763.927	3389.	1060	1.14
76	759	886.680	763.957	3215.	1000	1.63
77	769	887.120	764.170	3041.	1066	2.12
78	779	887.591	764.248	2873.	1060	2.60
79	789	888.043	764.162	2742.	1060	3.06
80	799	888.479	764.129	2552.	1000	3.50
81	809	888.364	764.129	3465.	1000	3.88
82	819	889.223	764.129	4131.	1000	4.24
83	829	889.566	764.085	4780.	1000	4.59
84	839	889.893	763.845	5000.	1000	5.00
85	849	890.071	763.442	5000.	1000	5.45
86	859	890.081	762.966	5000.	1000	5.92
87	869	890.081	762.459	5000.	1000	6.43
88	879	890.081	761.923	5000.	1000	6.97
89	889	890.081	761.357	5000.	1000	7.53
90	899	890.081	760.761	5000.	1000	8.13

## EAL96 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	726	334.431	764.984	4221.	1060	.00
73	729	384.581	764.984	4109.	1067	.15
74	739	335.050	764.984	3997.	1060	.65
75	749	325.573	764.984	3526.	1060	1.15
76	759	386.074	764.985	3655.	1060	1.64
77	769	386.570	764.985	3485.	1060	2.14
78	779	387.034	765.105	3131.	1000	2.62
79	789	387.376	765.453	3000.	1000	3.12
80	799	387.502	765.926	3036.	1000	3.61
81	809	387.369	766.412	3418.	1000	4.12
82	819	326.990	766.788	3234.	1000	4.66
83	829	388.441	766.933	4251.	1000	5.23
84	839	385.836	766.932	4663.	1000	5.84
85	849	385.215	766.932	4994.	1000	6.46
86	859	384.577	766.932	5000.	1000	7.10
87	869	385.907	766.932	5000.	1000	7.77
88	879	383.208	766.932	5000.	1000	8.47
89	889	382.479	766.932	5000.	1000	9.20
90	899	381.734	766.932	5000.	1000	9.94



x SATL

DATE OF RUN 10/05/38 RUN - 30 PLOT- 52

## EIA2328 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
249	2497	883.015	763.925	4301.	1060	.00
250	2499	883.715	763.923	4266.	1060	.10
251	2509	884.213	763.923	4089.	1060	.60
252	2519	884.709	763.927	3914.	1067	1.09
253	2529	885.204	763.937	3733.	1000	1.59
254	2539	885.691	764.016	3562.	1000	2.09
255	2549	886.180	764.054	3393.	1060	2.58
256	2559	886.670	764.020	3203.	1062	3.07
257	2569	887.156	763.992	2953.	1067	3.55
258	2579	887.641	763.971	2709.	1062	4.04
259	2589	888.130	763.950	2700.	1062	4.53
260	2599	888.618	763.945	2700.	1062	5.02
261	2609	889.106	763.937	2700.	1062	5.50
262	2619	889.594	763.931	2700.	1062	5.99
263	2629	890.083	763.926	2700.	1062	6.48
264	2639	890.571	763.926	2700.	1067	6.97
265	2649	891.059	763.923	2700.	1062	7.46
266	2661	891.545	763.925	2700.	1062	8.04
267	2669	892.036	763.924	2700.	1062	8.43

## EME3216 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
249	2497	883.185	763.420	3994.	1060	.00
250	2499	883.277	763.420	3994.	1060	.09
251	2509	883.736	763.420	3994.	1060	.55
252	2519	884.195	763.420	3994.	1060	1.01
253	2529	884.653	763.421	3953.	1060	1.47
254	2539	885.109	763.421	3809.	1060	1.92
255	2549	885.563	763.421	3666.	1060	2.38
256	2559	886.015	763.394	3522.	1000	2.83
257	2569	886.403	763.171	3379.	1000	3.29
258	2579	886.627	762.734	3236.	1000	3.74
259	2589	886.656	762.335	3092.	1000	4.19
260	2599	886.656	761.846	2949.	1000	4.64
261	2609	886.656	761.437	2806.	1000	5.09
262	2619	886.656	760.989	2662.	1000	5.54
263	2629	886.656	760.542	2519.	1000	5.98
264	2639	886.656	760.095	2376.	1000	6.43
265	2649	886.656	759.650	2232.	1000	6.87
266	2661	886.656	759.117	2060.	1000	7.41
267	2669	886.656	758.762	1946.	1000	7.76

## EAL323 ACTUAL FLIGHT:

03/06/59

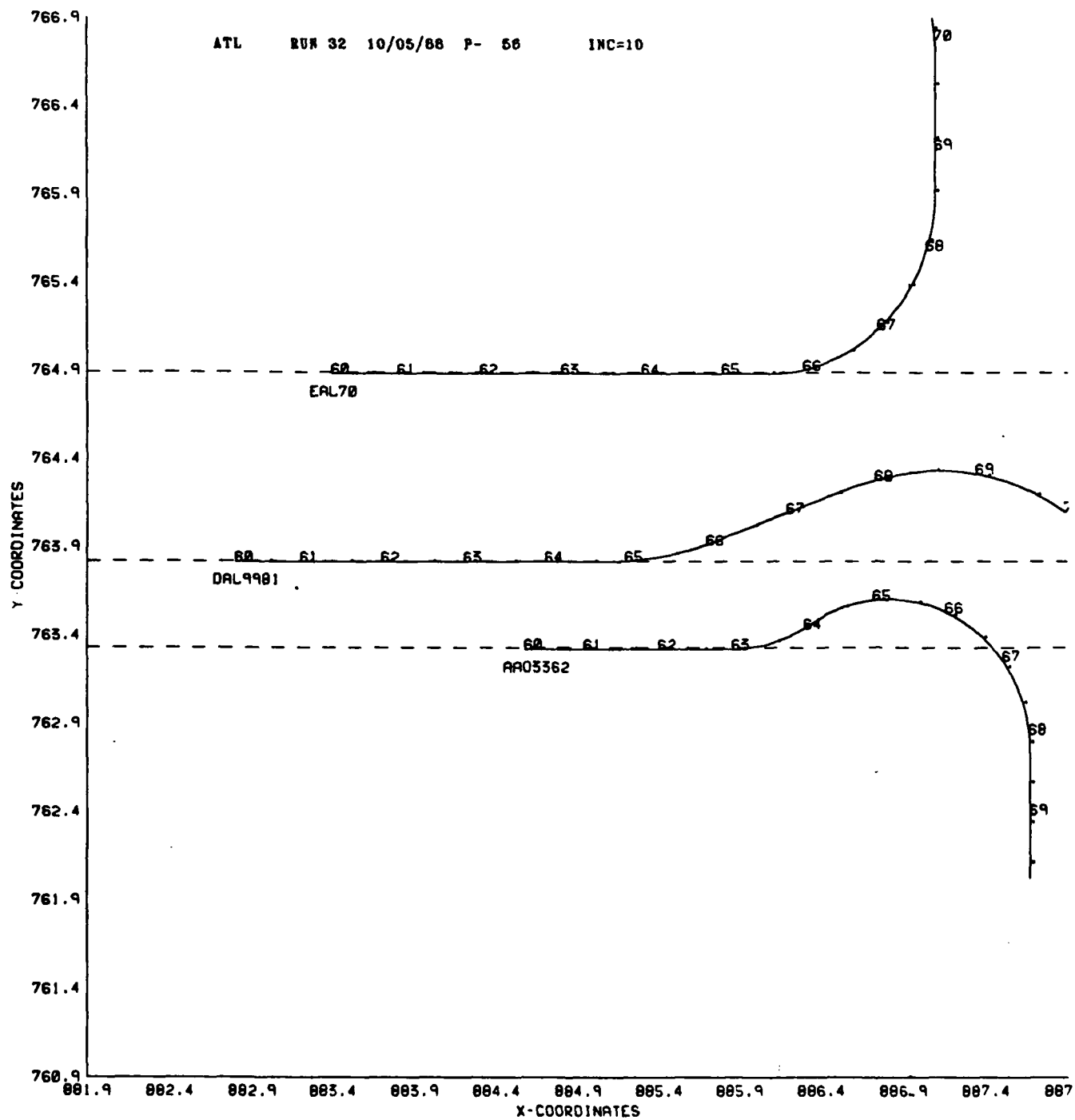
17:36:41

TASK # 04000132

OP.FR

GCULD C.S.D. MPX-3

INC	TIME	X	Y	ALT	TRACK	DISTANCE
249	2497	882.344	764.996	4948.	1067	.00
250	2499	882.445	764.995	4913.	1067	.10
251	2509	882.944	764.994	4741.	1060	.60
252	2519	883.442	764.994	4570.	1060	1.10
253	2529	883.938	764.994	4399.	1060	1.59
254	2539	884.434	764.994	4229.	1060	2.09
255	2549	884.936	765.116	4059.	1000	2.58
256	2559	885.252	765.462	3889.	1000	3.08
257	2569	885.379	765.932	3719.	1000	3.57



ATL

DATE OF RUN 10/05/88 RUN - 32 PLOT- 50

## AA03362 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
60	001	884.673	763.421	3932.	1060	.00
61	009	885.042	763.421	3865.	1060	.37
62	019	885.503	763.421	3720.	1067	.83
63	029	885.962	763.422	3575.	1060	1.29
64	039	886.400	763.539	3430.	1000	1.75
65	049	886.823	763.700	3267.	1000	2.21
66	059	887.261	763.832	2934.	1000	2.65
67	069	887.604	763.856	2601.	1000	3.10
68	079	887.765	762.939	2500.	1000	3.55
69	089	887.769	762.485	2500.	1000	4.00

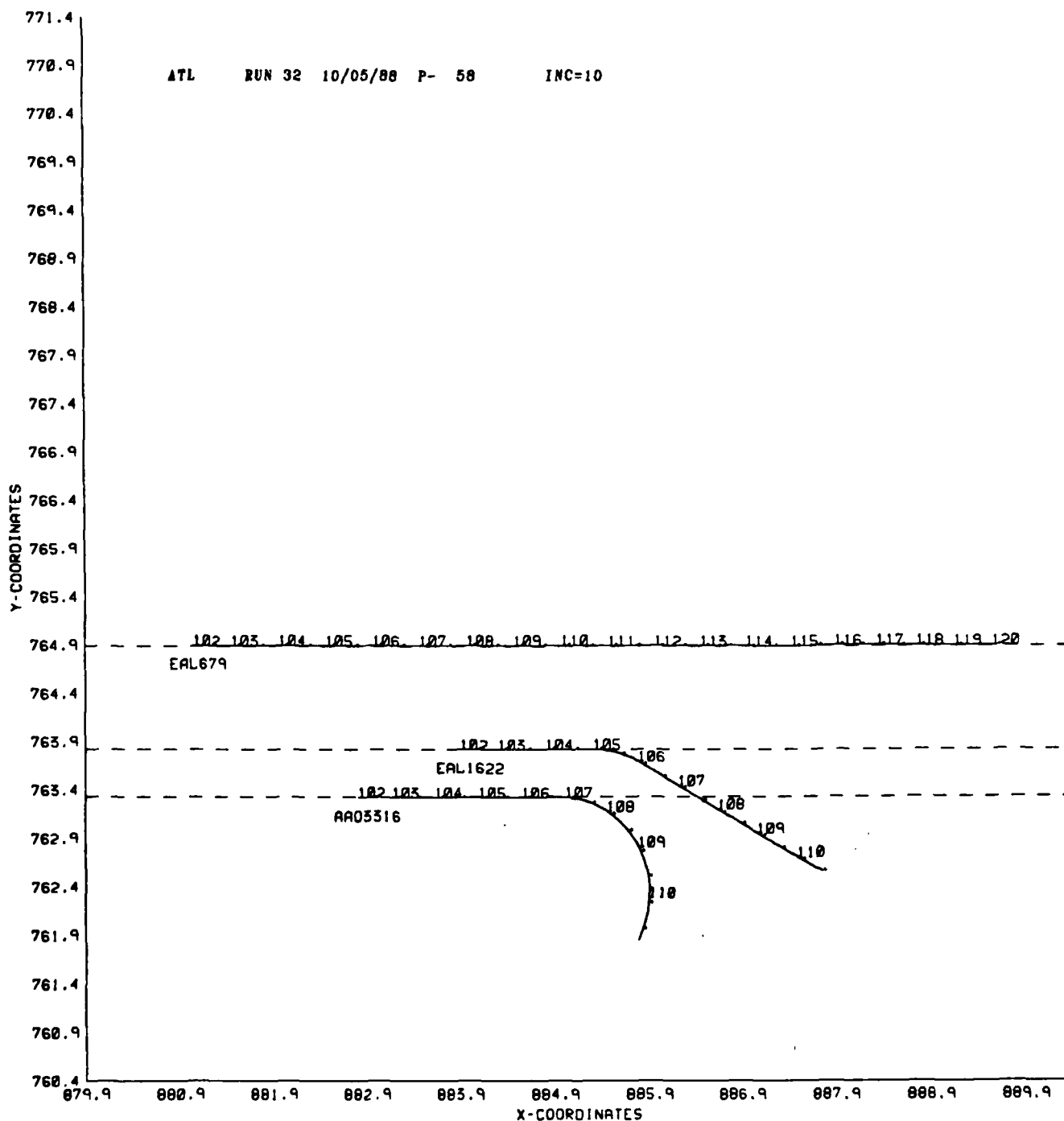
## EAL70 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
60	001	883.491	764.923	4407.	1060	.00
61	009	883.394	764.984	4268.	1060	.40
62	019	884.397	764.984	4095.	1060	.91
63	029	884.298	764.934	3923.	1060	1.41
64	039	885.398	764.934	3751.	1067	1.91
65	049	885.897	764.935	3579.	1060	2.41
66	059	886.396	765.005	3444.	1000	2.91
67	069	886.349	765.233	3767.	1000	3.42
68	079	887.133	765.627	4267.	1000	3.96
69	089	887.189	766.257	4767.	1000	4.54
70	099	887.185	766.377	5000.	1000	5.16

## DAL981 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
60	001	882.395	763.916	4542.	1060	.00
61	009	883.298	763.917	4399.	1060	.40
62	019	883.799	763.917	4222.	1060	.90
63	029	884.209	763.917	4045.	1060	1.40
64	039	884.798	763.913	3886.	1060	1.90
65	049	885.296	763.920	3716.	1000	2.40
66	059	885.799	764.015	3930.	1000	2.91
67	069	886.293	764.195	4544.	1000	3.44
68	079	886.333	764.379	5001.	1000	4.01
69	089	887.444	764.417	5000.	1000	4.63
70	099	887.979	764.201	5000.	1000	5.21





ATL

DATE OF RUN 10/05/68 RUN - 32 PLOT- 58

## EAL1622 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
102	1021	384.003	763.917	4158.	1067	.00
103	1029	384.405	763.917	4016.	1067	.40
104	1039	384.906	763.918	3833.	1060	.90
105	1049	385.406	763.918	3681.	1060	1.40
106	1059	385.383	763.793	3484.	1000	1.90
107	1069	385.314	763.545	3308.	1000	2.40
108	1079	385.744	763.293	3131.	1000	2.90
109	1089	387.174	763.052	2954.	1000	3.39
110	1099	387.601	762.805	2778.	1000	3.88

## AA03316 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
102	1021	882.909	763.421	3994.	1060	.00
103	1029	883.277	763.421	3994.	1060	.37
104	1039	883.736	763.421	3994.	1060	.85
105	1049	884.195	763.421	3994.	1067	1.29
106	1059	884.653	763.421	3932.	1060	1.74
107	1069	885.110	763.421	3838.	1060	2.20
108	1079	885.555	763.277	3987.	1000	2.67
109	1089	885.389	762.906	4000.	1000	3.18
110	1099	885.999	762.387	4000.	1000	3.72

## EAL079 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
102	1021	881.151	764.997	4994.	1060	.00
103	1029	881.557	764.995	4994.	1060	.41
104	1039	882.064	764.995	4895.	1060	.91
105	1049	882.569	764.996	4722.	1060	1.42
106	1059	883.072	764.995	4548.	1060	1.92
107	1069	883.574	764.995	4376.	1060	2.42
108	1079	884.074	764.995	4204.	1060	2.92
109	1089	884.574	764.994	4032.	1060	3.42
110	1099	885.072	764.994	3860.	1067	3.92
111	1109	885.569	764.994	3689.	1060	4.42
112	1119	886.065	764.994	3519.	1067	4.91
113	1129	886.559	764.995	3349.	1060	5.41
114	1139	887.052	764.991	3179.	1060	5.90
115	1149	887.539	764.991	3011.	1060	6.39
116	1159	888.002	764.997	2850.	1067	6.85
117	1169	888.443	764.999	2695.	1060	7.29
118	1179	888.362	764.996	2530.	1067	7.71

05/06/89

13:19:20

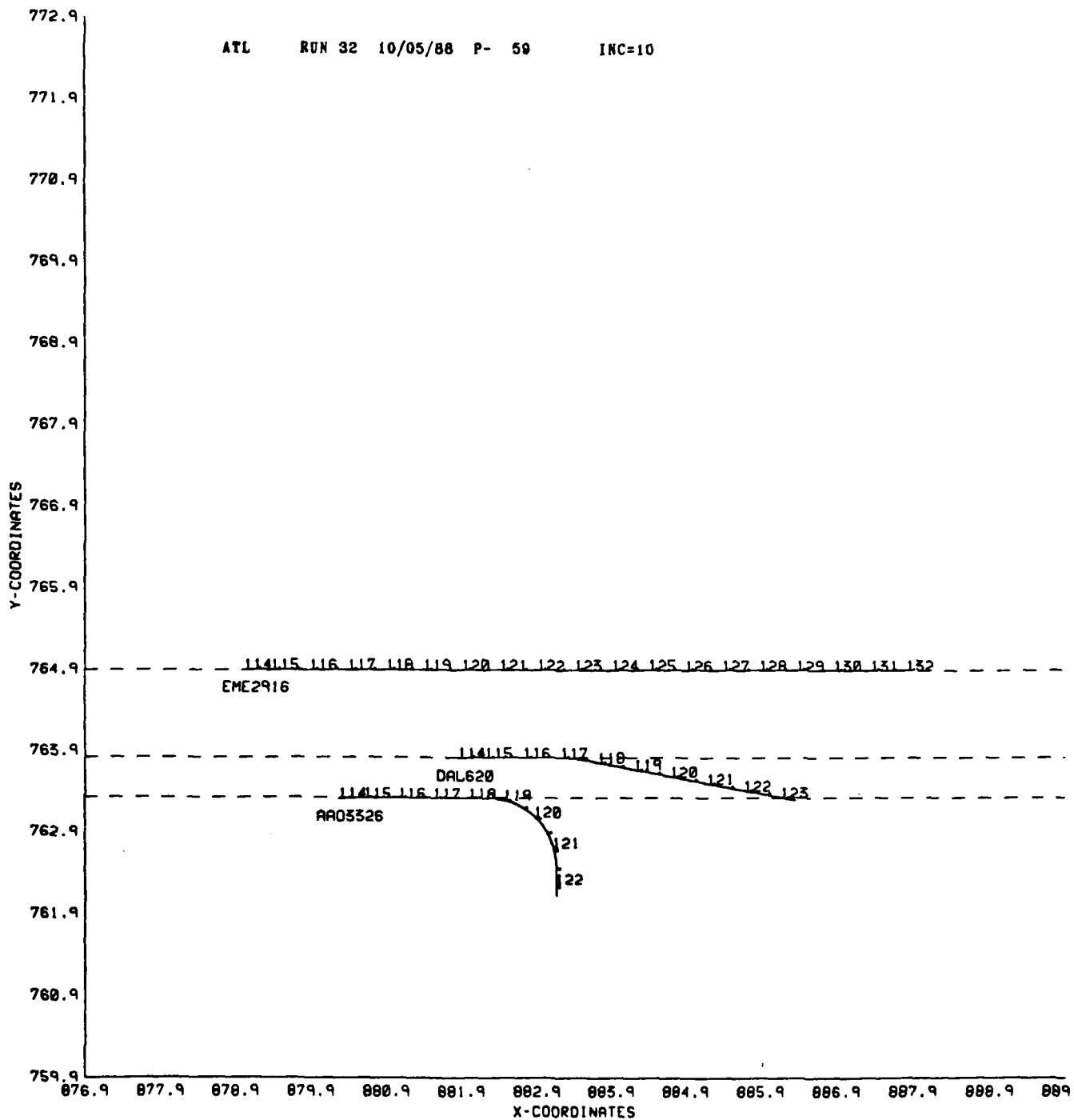
TASK # 20000140

OP.PR

GCULD C.S.D. MPX-3

119	1189	889.263	764.994	2423.	1060	8.11
120	1199	889.664	764.991	2285.	1060	8.51

ATL RUN 32 10/05/88 P- 59 INC=10



ATL

DATE OF RUN 10/05/88 RUN - 32 PLOT- 59

## DAL620 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
114	1142	881.958	763.915	4881.	1060	.00
115	1149	882.312	763.916	4756.	1067	.35
116	1159	882.815	763.916	4577.	1060	.86
117	1169	883.318	763.917	4399.	1060	1.36
118	1179	883.815	763.860	4221.	1000	1.86
119	1189	884.309	763.774	4043.	1000	2.36
120	1199	884.800	763.689	3866.	1000	2.86
121	1209	885.290	763.603	3688.	1000	3.36
122	1219	885.779	763.516	3510.	1000	3.85
123	1229	886.267	763.432	3333.	1000	4.35

## AA03326 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
114	1142	880.367	763.417	3994.	1067	.00
115	1149	880.694	763.418	3994.	1060	.33
116	1159	881.160	763.418	3994.	1060	.79
117	1169	881.626	763.418	3994.	1067	1.26
118	1179	882.093	763.419	3994.	1060	1.73
119	1189	882.558	763.402	3994.	1000	2.19
120	1199	882.967	763.195	3877.	1000	2.66
121	1209	883.214	762.818	3543.	1000	3.11
122	1219	883.256	762.369	3210.	1000	3.56

## EME2916 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
114	1142	879.123	764.998	4994.	1060	.00
115	1149	879.477	764.998	4994.	1060	.35
116	1159	879.932	764.996	4994.	1067	.86
117	1169	880.488	764.995	4994.	1060	1.36
118	1179	880.993	764.995	4994.	1060	1.87
119	1189	881.499	764.995	4994.	1060	2.38
120	1199	882.005	764.995	4913.	1060	2.88
121	1209	882.505	764.995	4740.	1067	3.38
122	1219	883.005	764.995	4568.	1060	3.88
123	1229	883.505	764.995	4396.	1060	4.38
124	1239	884.003	764.995	4225.	1060	4.88
125	1249	884.500	764.995	4054.	1060	5.38
126	1259	884.995	764.994	3883.	1060	5.87
127	1269	885.490	764.994	3713.	1067	6.37
128	1279	885.985	764.993	3544.	1060	6.86
129	1289	886.475	764.993	3374.	1060	7.35

J3/06/59

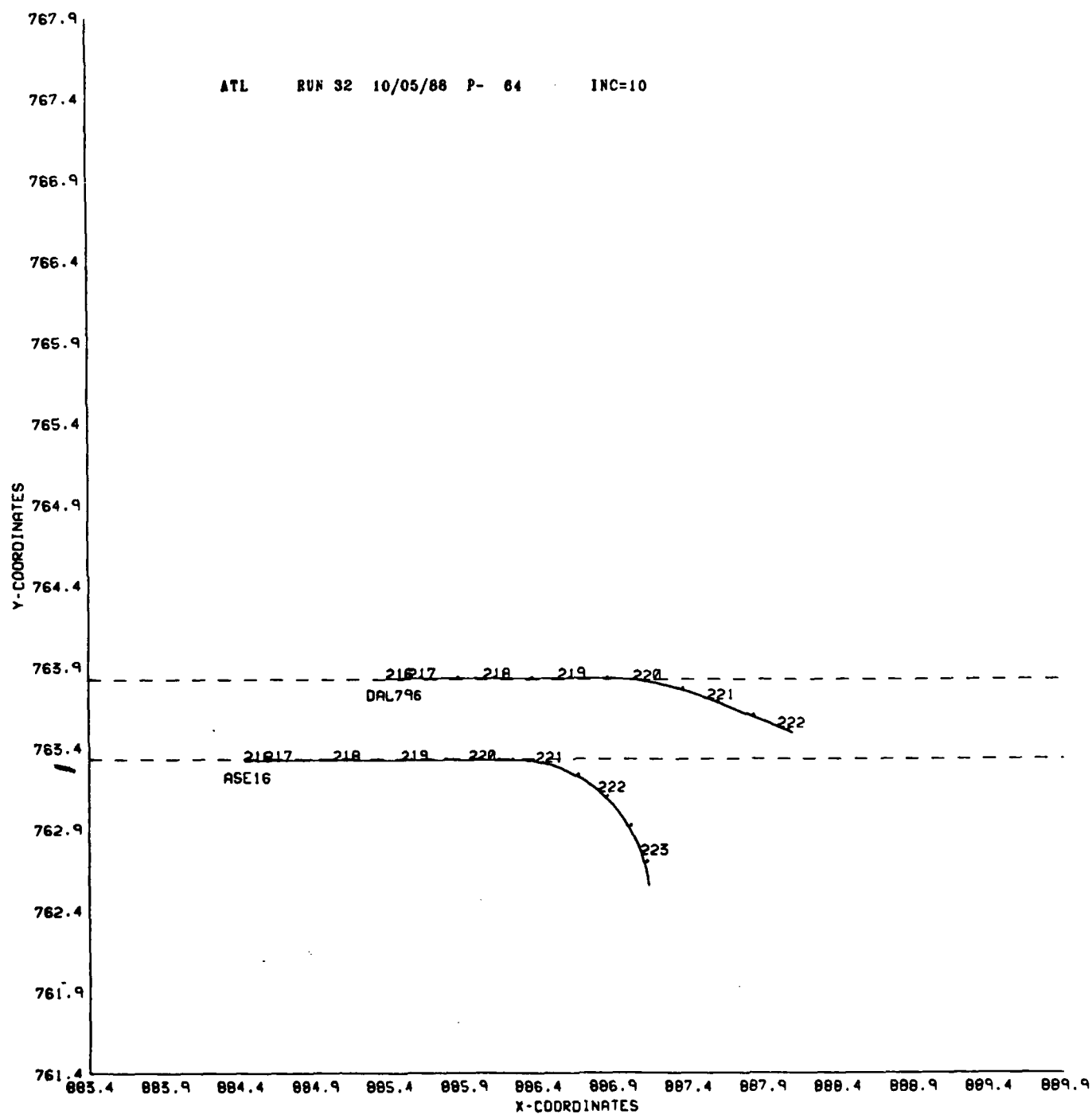
18:19:20

TASK # 25000140

OP.PR

GCULD C.S.D. MPX-3

130	1299	886.965	764.993	3206.	1060	7.84
131	1309	887.452	764.992	3033.	1060	8.33
132	1319	887.915	764.992	2877.	1060	8.79



ATL

DATE OF RUN 10/05/39 RUN - 32 PLOT- 64

## DAL796 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
216	2165	685.494	763.927	3625.	1060	.00
217	2169	685.645	763.927	3571.	1060	.15
218	2179	686.152	763.927	3392.	1067	.66
219	2189	686.657	763.927	3231.	1060	1.16
220	2199	687.160	763.917	3053.	1000	1.67
221	2209	687.546	763.798	2875.	1000	2.17
222	2219	688.117	763.625	2696.	1000	2.67

## ASE16 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
216	2166	684.532	763.421	3894.	1060	.00
217	2169	684.670	763.421	3894.	1067	.14
218	2179	685.129	763.421	3868.	1060	.60
219	2139	685.587	763.421	3723.	1060	1.05
220	2199	686.044	763.422	3579.	1060	1.51
221	2209	686.500	763.413	3435.	1000	1.97
222	2219	686.916	763.228	3381.	1000	2.43
223	2229	687.197	762.841	3697.	1000	2.91





03/23/89

12:43:50

TASK # 0700013C

ALGEO

GCULD C.S.D. MPX-

10/0

DATE OF RUN 6/8833

RUN - 33

19 PLOT-

## DAL194 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
215	2150	888.113	763.927	2708.	1060	.00
216	2159	888.522	763.927	2562.	1060	.41
217	2169	888.956	763.927	2407.	1067	.84
218	2179	889.367	763.926	2273.	1060	1.25
219	2189	889.777	763.870	2348.	1000	1.67
220	2199	890.214	763.791	2408.	1000	2.11
221	2209	890.680	763.708	2468.	1000	2.59
222	2219	891.175	763.619	2500.	1000	3.09
223	2229	891.698	763.526	2500.	1000	3.62
224	2239	892.249	763.427	2500.	1000	4.18
225	2249	892.828	763.323	2500.	1000	4.77
226	2259	893.436	763.214	2500.	1000	5.39
227	2269	894.072	763.100	2500.	1000	6.03
228	2279	894.737	762.981	2500.	1000	6.71
229	2289	895.429	762.857	2500.	1000	7.41
230	2299	896.137	762.730	2500.	1000	8.13
231	2309	896.845	762.603	2500.	1000	8.85
232	2319	897.553	762.476	2500.	1000	9.57
233	2329	898.261	762.349	2500.	1000	10.29

## DAL9200 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
215	2150	887.970	764.991	2929.	1060	.00
216	2159	888.367	764.983	2791.	1067	.40
217	2169	888.788	764.967	2642.	1067	.82
218	2179	889.190	764.967	2500.	1060	1.22
219	2189	889.591	764.974	2362.	1060	1.62
220	2199	889.991	764.979	2225.	1060	2.02
221	2209	890.391	764.983	2087.	1060	2.42
222	2219	890.789	764.985	1950.	1060	2.82
223	2229	891.187	764.987	1813.	1060	3.22
224	2239	891.584	764.987	1677.	1060	3.62
225	2249	891.980	764.989	1534.	1060	4.01
226	2259	892.375	764.989	1392.	1060	4.41
227	2269	892.770	764.989	1251.	1060	4.80
228	2279	892.971	764.989	1107.	1201	5.00

## EME2924 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
215	2150	887.878	759.258	2994.	1067	.00
216	2159	888.223	759.484	2994.	1060	.41
217	2169	888.598	759.748	2994.	1067	.87

03/23/89

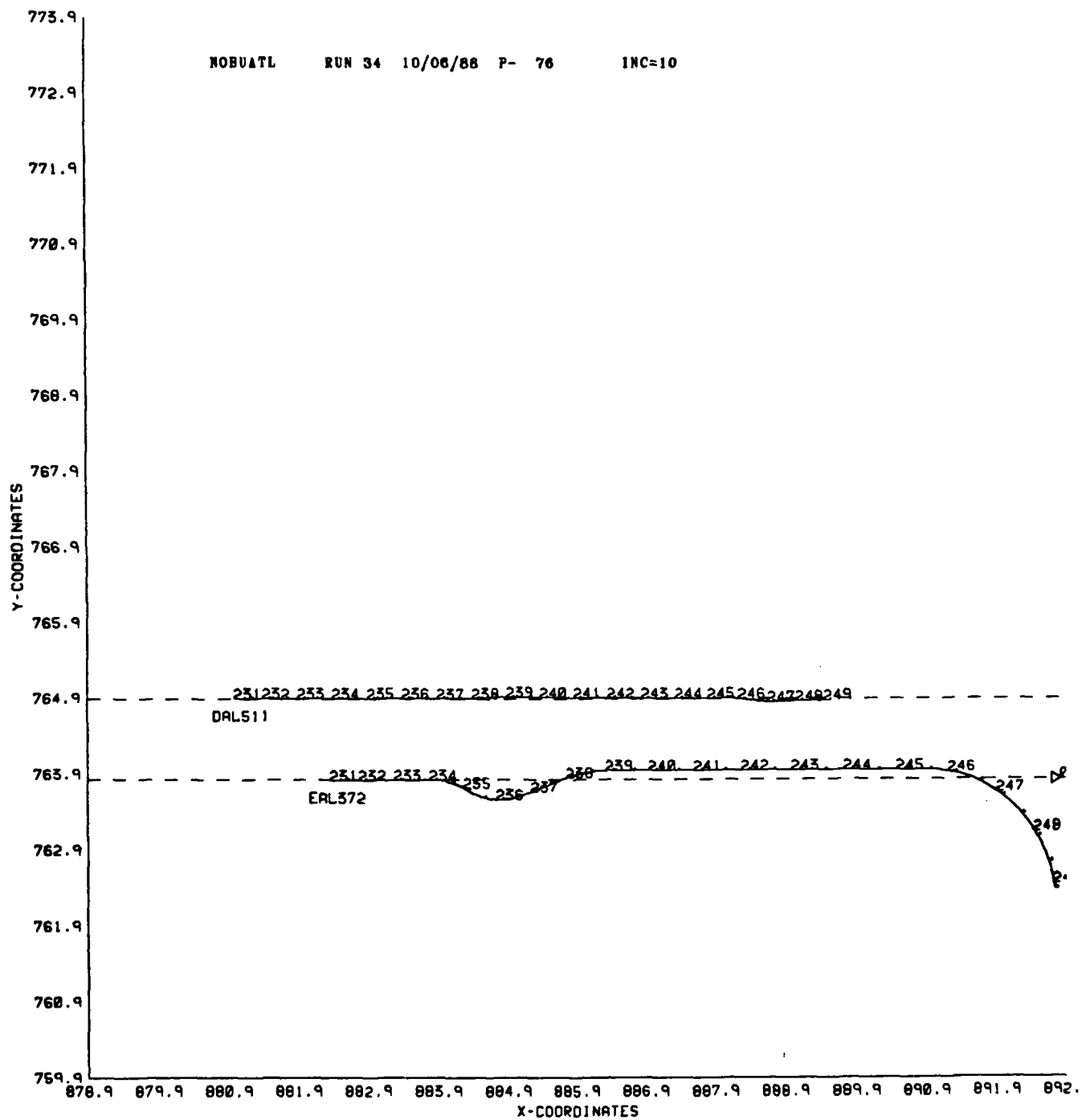
12:43:50

TASK # 0700013C

ALGEO

GCULD C.S.D. MPX-3:

218	2179	888.981	759.997	2967.	1060	1.33
219	2189	889.349	760.234	2825.	1060	1.77
220	2199	889.697	760.458	2688.	1067	2.18
221	2209	890.027	760.672	2558.	1067	2.57
222	2219	890.375	760.786	2434.	1000	2.94
223	2229	890.711	760.716	2570.	1000	3.29
224	2239	890.975	760.475	2903.	1000	3.65
225	2249	891.094	760.101	3237.	1000	4.05
226	2259	891.094	759.666	3570.	1000	4.48
227	2269	891.094	759.195	3903.	1000	4.95
228	2279	891.094	758.695	4000.	1000	5.45
229	2289	891.094	758.169	4000.	1000	5.98
230	2299	891.094	757.609	4000.	1000	6.54



ATL

DATE OF RUN 10/30/39 RUN - 34

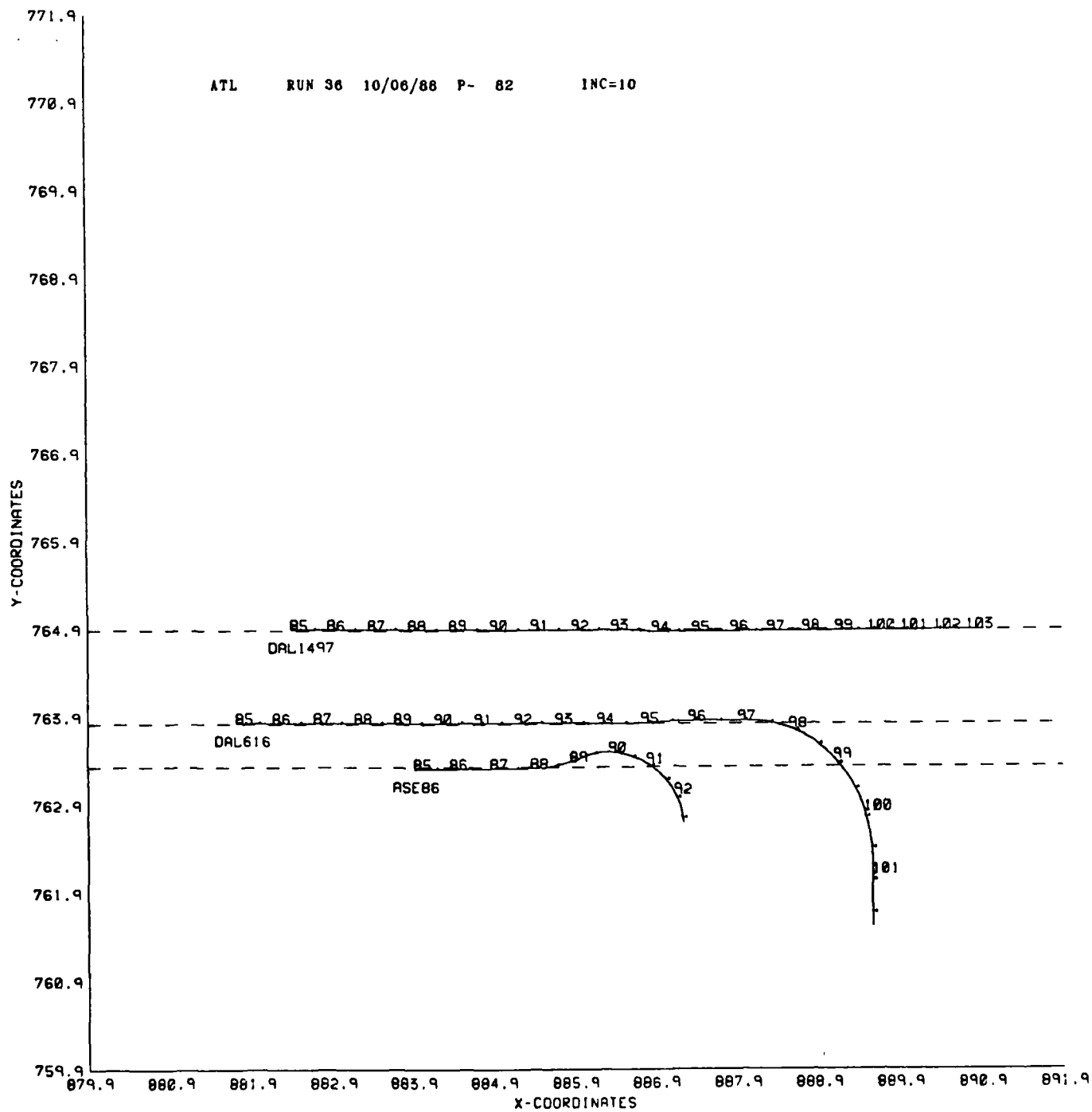
PLOT- 76

## EAL372 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
231	2311	882.474	763.916	4556.	1060	.00
232	2319	882.878	763.916	4419.	1067	.40
233	2329	883.383	763.917	4247.	1067	.91
234	2339	883.885	763.917	4076.	1060	1.41
235	2349	884.371	763.815	3905.	1000	1.91
236	2359	884.845	763.662	3771.	1000	2.42
237	2369	885.351	763.765	4059.	1000	2.94
238	2379	885.864	763.949	4542.	1000	3.48
239	2389	886.434	764.044	4999.	1000	4.06
240	2399	887.059	764.046	5000.	1000	4.69
241	2409	887.711	764.046	5000.	1000	5.34
242	2419	888.393	764.046	5000.	1000	6.02
243	2429	889.104	764.046	5000.	1000	6.73
244	2439	889.843	764.046	5000.	1000	7.47
245	2449	890.583	764.046	5000.	1000	8.22
246	2459	891.332	764.023	5000.	1000	8.96
247	2469	892.022	763.756	5000.	1000	9.71
248	2479	892.550	763.236	5000.	1000	10.45
249	2489	892.826	762.549	5000.	1000	11.20

## DAL511 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
231	2311	881.094	764.997	4934.	1060	.00
232	2319	881.493	764.997	4932.	1060	.40
233	2329	882.001	764.996	4766.	1060	.91
234	2339	882.501	764.996	4600.	1067	1.41
235	2349	883.001	764.996	4434.	1060	1.91
236	2359	883.500	764.995	4269.	1057	2.41
237	2369	883.997	764.994	4104.	1067	2.90
238	2379	884.493	764.996	3939.	1057	3.40
239	2389	884.983	765.015	3775.	1060	3.89
240	2399	885.481	765.009	3612.	1060	4.39
241	2409	885.974	765.004	3443.	1067	4.88
242	2419	886.465	765.001	3286.	1060	5.37
243	2429	886.955	764.999	3123.	1060	5.86
244	2439	887.441	764.996	2962.	1060	6.35
245	2449	887.906	764.994	2823.	1060	6.81
246	2459	888.349	764.986	2675.	1067	7.26
247	2469	888.767	764.945	2532.	1060	7.68
248	2479	889.169	764.956	2398.	1060	8.08
249	2489	889.570	764.963	2266.	1060	8.48



03/17/89

09:44:34

TASK # 33000031

OP.PR

GCULD C.S.D. MPX-

ATL

DATE OF RUN 10/06/88 RUN - 36 PLOT- 32

## ASE36 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	850	884.030	763.415	3994.	1060	.00
86	859	884.430	763.416	3952.	1067	.45
87	869	884.978	763.416	3800.	1060	.95
88	879	885.473	763.417	3649.	1060	1.44
89	889	885.961	763.495	3498.	1000	1.94
90	899	886.439	763.602	3347.	1000	2.43
91	909	886.908	763.469	3190.	1000	2.93
92	919	887.245	763.122	2993.	1000	3.41

## DAL1497 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	850	882.490	765.002	4678.	1060	.00
86	859	882.948	765.001	4526.	1060	.46
87	869	883.456	765.001	4358.	1060	.97
88	879	883.962	765.000	4190.	1060	1.47
89	889	884.467	765.000	4023.	1067	1.98
90	899	884.970	764.999	3856.	1067	2.48
91	909	885.473	764.997	3689.	1060	2.98
92	919	885.974	764.997	3523.	1060	3.48
93	929	886.474	764.997	3358.	1060	3.98
94	939	886.973	764.971	3192.	1067	4.48
95	949	887.467	764.971	3028.	1060	4.98
96	959	887.941	764.973	2870.	1060	5.45
97	969	888.392	764.976	2720.	1067	5.90
98	979	888.820	764.978	2574.	1060	6.33
99	989	889.228	764.980	2439.	1060	6.74
100	999	889.628	764.983	2306.	1060	7.14
101	1009	890.028	764.985	2173.	1060	7.54
102	1019	890.428	764.988	2054.	1060	7.94
103	1029	890.826	764.990	1922.	1060	8.34

## DAL616 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	850	881.820	763.936	4838.	1067	.00
86	859	882.274	763.934	4684.	1067	.45
87	869	882.778	763.934	4512.	1060	.96
88	879	883.281	763.934	4342.	1060	1.46
89	889	883.781	763.934	4171.	1067	1.96
90	899	884.282	763.934	4019.	1062	2.46
91	909	884.778	763.933	4277.	1062	2.96
92	919	885.270	763.933	4694.	1062	3.45

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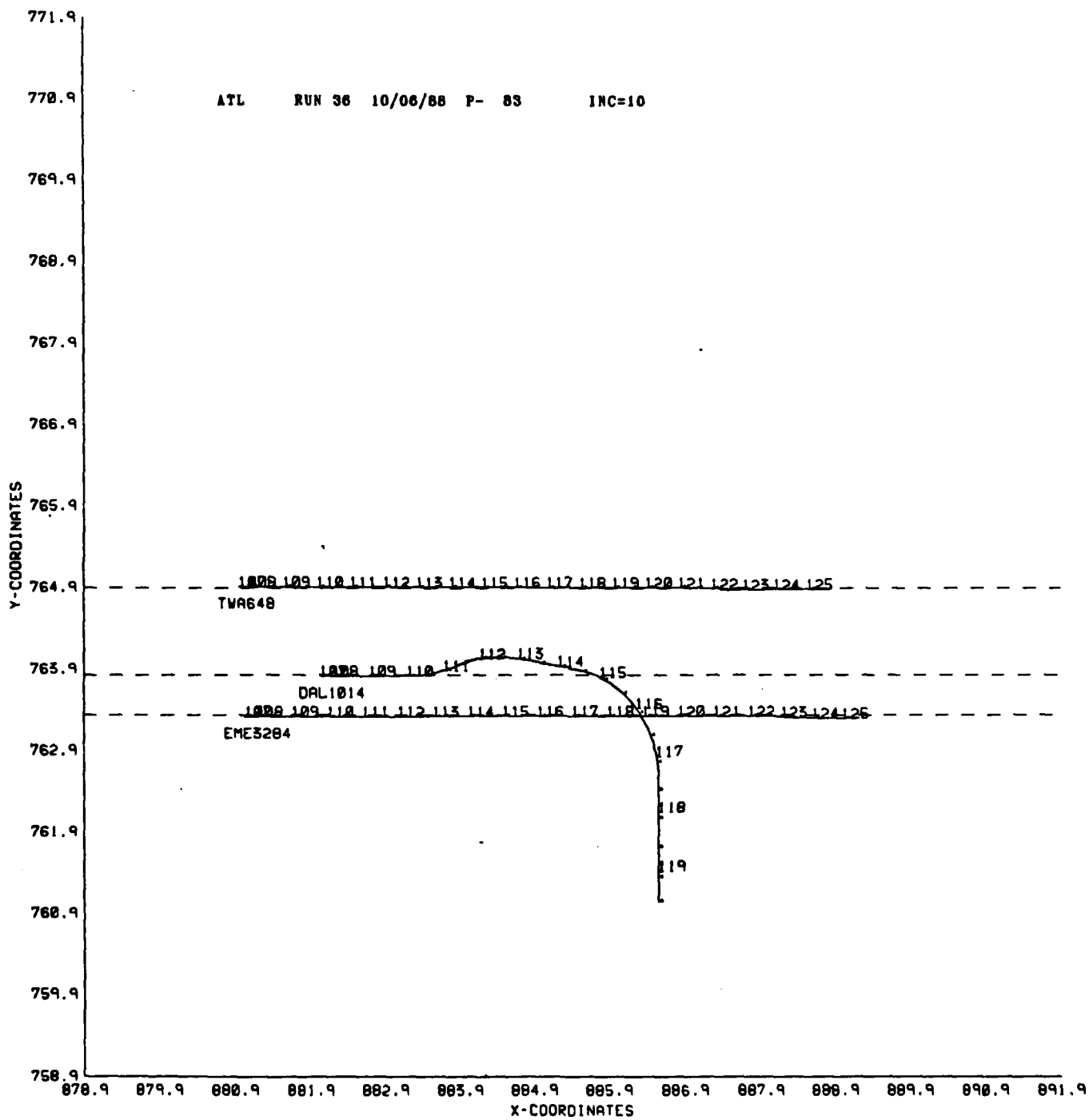
TASK # 33000031

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GOULD C.S.D. MPX-

93	929	885.770	763.932	4984.	1062	3.95
94	939	886.290	763.930	5000.	1067	4.47
95	949	886.839	763.928	5000.	1062	5.02
96	959	887.417	763.956	5000.	1067	5.60
97	969	888.026	763.952	5000.	1062	6.21
98	979	888.655	763.872	5000.	1000	6.85
99	989	889.212	763.512	5000.	1000	7.51
100	999	889.575	762.923	5000.	1000	8.21
101	1009	889.670	762.207	5000.	1000	8.94





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TASK # 3300031

OP.PR

GCULD C.S.D. MPX-3

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DATE OF RUN 10/06/33 RUN - 36

PLOT- 83

## DAL1014 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
107	1076	882.127	763.910	4735.	1060	.00
108	1079	882.279	763.910	4684.	1060	.15
109	1089	882.732	763.911	4513.	1060	.66
110	1099	883.285	763.911	4342.	1060	1.16
111	1109	883.781	763.978	4171.	1000	1.66
112	1119	884.260	764.125	4037.	1000	2.16
113	1129	884.779	764.123	4335.	1000	2.68
114	1139	885.320	764.032	4752.	1000	3.23
115	1149	885.885	763.896	5169.	1000	3.81
116	1159	886.361	763.515	5585.	1000	4.43
117	1169	886.627	762.927	5966.	1000	5.08
118	1179	886.656	762.237	6000.	1000	5.77
119	1189	886.656	761.515	6000.	1000	6.49

## EM3284 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
107	1076	881.136	763.410	3994.	1060	.00
108	1079	881.277	763.411	3994.	1060	.14
109	1089	881.749	763.411	3994.	1060	.61
110	1099	882.220	763.412	3994.	1060	1.08
111	1109	882.691	763.413	3994.	1060	1.55
112	1119	883.162	763.413	3994.	1060	2.03
113	1129	883.633	763.414	3994.	1060	2.50
114	1139	884.104	763.414	3994.	1060	2.97
115	1149	884.576	763.415	3925.	1060	3.44
116	1159	885.044	763.416	3782.	1067	3.91
117	1169	885.513	763.416	3639.	1060	4.38
118	1179	885.981	763.417	3497.	1060	4.84
119	1189	886.447	763.417	3355.	1060	5.31
120	1199	886.913	763.418	3213.	1060	5.78
121	1209	887.377	763.418	3071.	1060	6.24
122	1219	887.839	763.418	2931.	1060	6.70
123	1229	888.281	763.408	2795.	1067	7.14
124	1239	888.700	763.394	2664.	1067	7.56
125	1249	889.097	763.393	2575.	1067	7.96

## TWA548 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
107	1076	881.055	765.005	4994.	1060	.00
108	1079	881.139	765.006	4994.	1060	.13
109	1089	881.636	765.005	4952.	1060	.58

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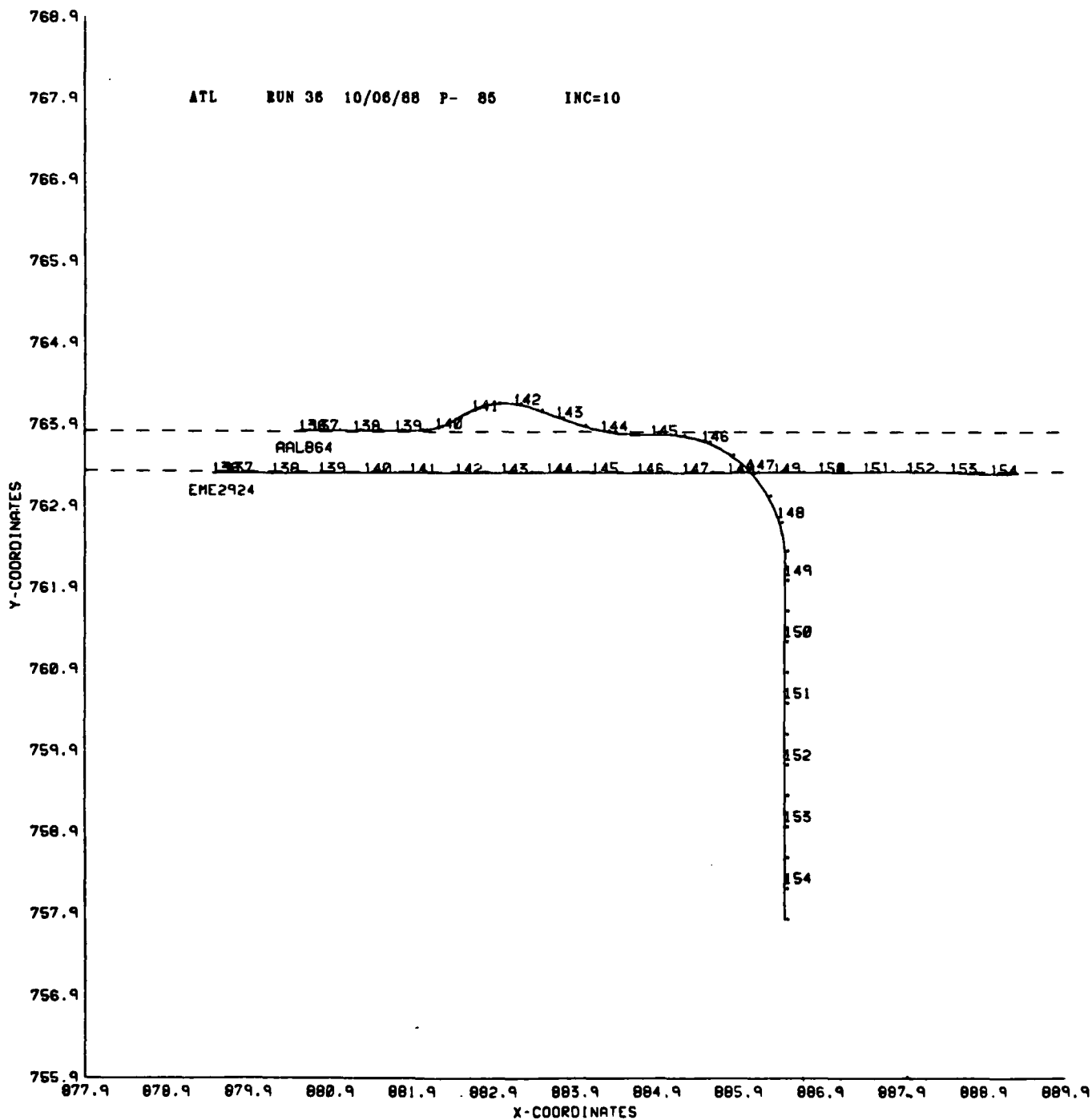
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110	1099	882.082	765.005	4805.	1067	1.03
111	1109	882.526	765.004	4657.	1067	1.47
112	1119	882.970	765.004	4510.	1060	1.92
113	1129	883.412	765.003	4364.	1060	2.36
114	1139	883.854	765.002	4217.	1060	2.90
115	1149	884.295	765.001	4071.	1067	3.24
116	1159	884.734	765.001	3926.	1060	3.62
117	1169	885.174	765.000	3780.	1060	4.12
118	1179	885.611	765.000	3635.	1067	4.56
119	1189	886.048	764.999	3490.	1060	4.99
120	1199	886.485	764.999	3346.	1067	5.43
121	1209	886.919	764.998	3202.	1060	5.86
122	1219	887.352	764.986	3058.	1067	6.30
123	1229	887.767	764.972	2931.	1060	6.71
124	1239	888.184	764.975	2794.	1060	7.13
125	1249	888.629	764.977	2651.	1067	7.57



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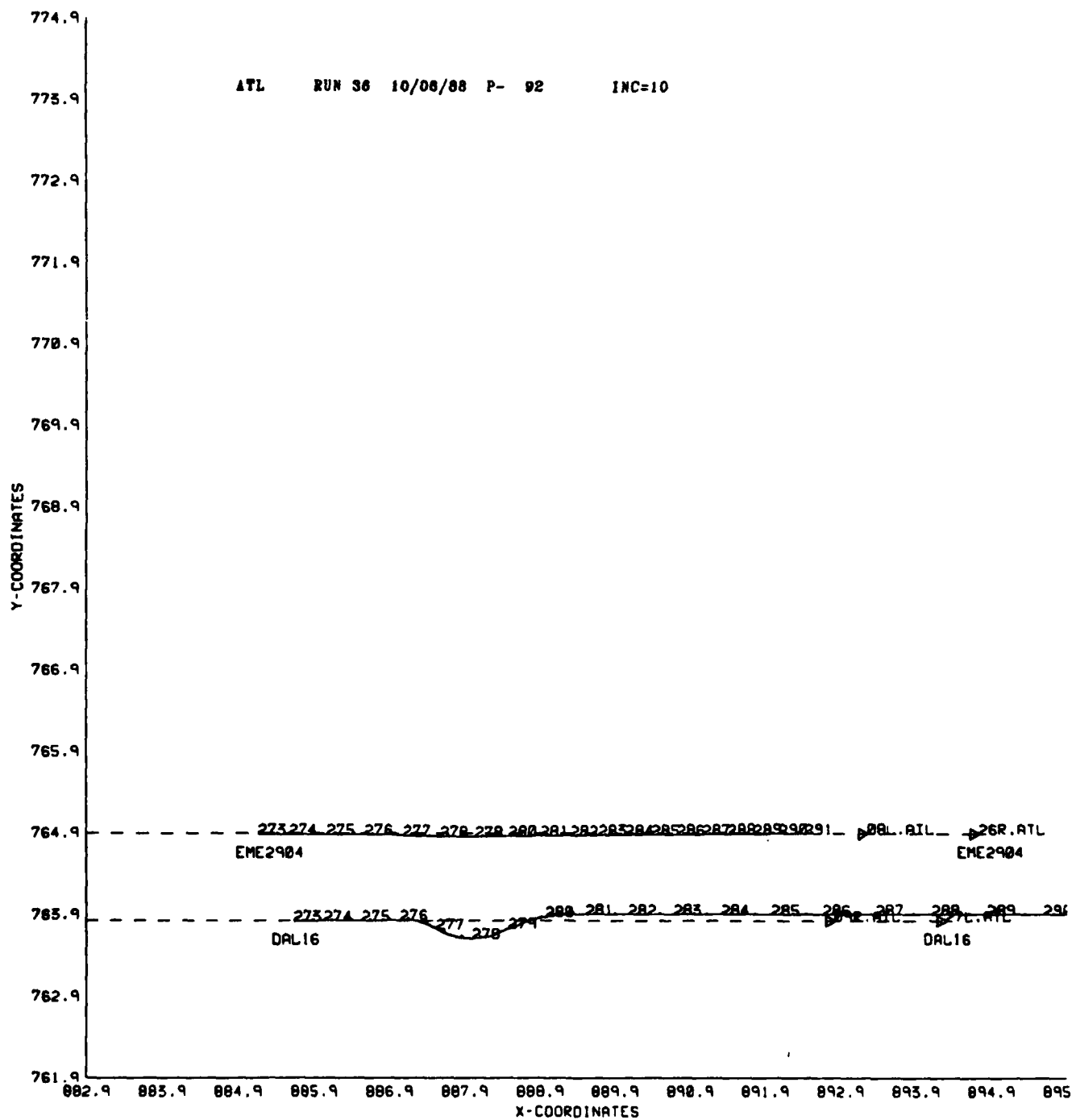
DATE OF RUN 10/06/88 RUN - 36 PLOT- 35

## AAL664 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
136	1366	880.613	763.937	5252.	1060	.00
137	1369	880.765	763.937	5200.	1060	.15
138	1379	881.273	763.937	5028.	1067	.66
139	1389	881.779	763.930	4856.	1060	1.17
140	1399	882.281	763.967	4624.	1000	1.67
141	1409	882.734	764.186	4518.	1000	2.18
142	1419	883.242	764.264	4728.	1000	2.70
143	1429	883.762	764.105	5145.	1000	3.24
144	1439	884.315	763.932	5562.	1000	3.82
145	1449	884.926	763.886	5960.	1000	4.44
146	1459	885.555	763.813	6000.	1000	5.07
147	1469	886.109	763.460	6000.	1000	5.74
148	1479	886.470	762.870	6000.	1000	6.43
149	1489	886.564	762.164	6000.	1000	7.15
150	1499	886.564	761.414	6000.	1000	7.90
151	1509	886.564	760.657	6000.	1000	8.66
152	1519	886.564	759.900	6000.	1000	9.41
153	1529	886.564	759.144	6000.	1000	10.17
154	1539	886.564	758.387	6000.	1000	10.93

## EME2924 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
136	1366	879.559	763.411	3994.	1067	.00
137	1369	879.727	763.411	3994.	1060	.17
138	1379	880.286	763.412	3994.	1060	.73
139	1389	880.845	763.413	3994.	1060	1.29
140	1399	881.404	763.413	3994.	1060	1.84
141	1409	881.963	763.414	3994.	1060	2.40
142	1419	882.522	763.415	3994.	1060	2.96
143	1429	883.082	763.415	3994.	1060	3.52
144	1439	883.641	763.416	3994.	1067	4.08
145	1449	884.200	763.417	3994.	1060	4.64
146	1459	884.757	763.417	3880.	1067	5.20
147	1469	885.313	763.417	3711.	1060	5.75
148	1479	885.867	763.420	3542.	1060	6.31
149	1489	886.419	763.422	3374.	1060	6.86
150	1499	886.971	763.425	3206.	1060	7.41
151	1509	887.521	763.427	3039.	1060	7.96
152	1519	888.063	763.429	2873.	1060	8.50
153	1529	888.584	763.423	2714.	1067	9.02
154	1539	889.031	763.403	2558.	1060	9.52



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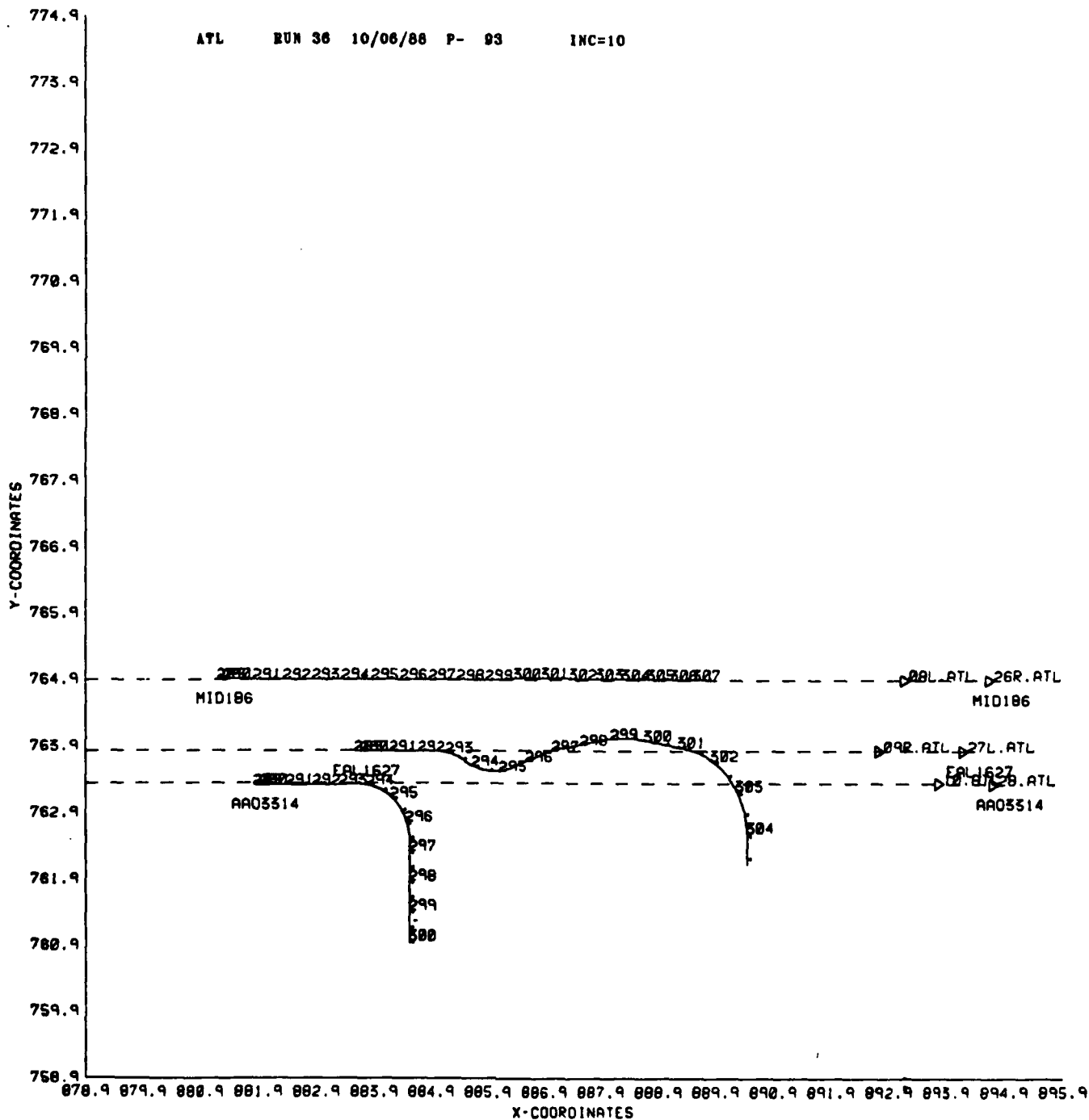
DATE OF RUN 10/06/88 RUN - 36 PLOT- 92

## DAL16 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
273	2731	835.741	763.917	3510.	1060	.00
274	2739	866.145	763.918	3373.	1060	.40
275	2749	886.650	763.921	3201.	1060	.91
276	2759	887.153	763.933	3030.	1067	1.41
277	2769	887.536	763.819	2859.	1000	1.92
278	2779	888.117	763.703	2688.	1000	2.42
279	2789	888.599	763.328	2522.	1000	2.92
280	2799	889.092	763.973	2741.	1000	3.43
281	2809	889.625	764.000	3241.	1000	3.97
282	2819	890.195	764.000	3741.	1000	4.54
283	2829	890.798	764.000	4241.	1000	5.14
284	2839	891.437	764.000	4741.	1000	5.78
285	2849	892.101	764.000	5025.	1000	6.44
286	2859	892.779	764.000	5000.	1000	7.12
287	2869	893.484	764.000	5000.	1000	7.83
288	2879	894.219	764.000	5000.	1000	8.56
289	2889	894.964	764.000	5000.	1000	9.31
290	2899	895.708	764.000	5000.	1000	10.05
291	2909	896.453	764.000	5000.	1000	10.79

## EME2904 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
273	2731	885.275	764.979	3743.	1060	.00
274	2739	885.682	764.980	3603.	1060	.41
275	2749	886.187	764.980	3441.	1060	.91
276	2759	886.693	764.980	3290.	1060	1.42
277	2769	887.196	764.987	3123.	1067	1.92
278	2779	887.656	764.952	2959.	1067	2.41
279	2789	888.154	764.952	2800.	1060	2.88
280	2799	888.599	764.953	2652.	1060	3.32
281	2809	889.022	764.962	2510.	1067	3.75
282	2819	889.423	764.967	2374.	1060	4.15
283	2829	889.801	764.971	2248.	1060	4.53
284	2839	890.157	764.974	2142.	1060	4.88
285	2849	890.499	764.976	2028.	1060	5.22
286	2859	890.841	764.979	1915.	1060	5.57
287	2869	891.183	764.981	1802.	1060	5.91
288	2879	891.523	764.984	1689.	1060	6.25
289	2889	891.862	764.986	1577.	1067	6.59
290	2899	892.201	764.989	1464.	1060	6.93
291	2909	892.541	764.990	1352.	1060	7.27





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## EAL1627 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
289	2897	883.683	763.912	4205.	1067	.00
290	2899	883.783	763.913	4171.	1067	.10
291	2909	884.234	763.915	4001.	1060	.60
292	2919	884.782	763.917	3832.	1060	1.10
293	2929	885.278	763.900	3653.	1000	1.60
294	2939	885.729	763.698	3494.	1000	2.09
295	2949	886.213	763.623	3325.	1000	2.59
296	2959	886.684	763.766	3156.	1000	3.08
297	2969	887.153	763.926	3023.	1000	3.58
298	2979	887.656	764.019	3322.	1000	4.09
299	2989	888.189	764.107	3739.	1000	4.63
300	2999	888.760	764.086	4156.	1000	5.20
301	3009	889.356	763.981	4572.	1000	5.81
302	3019	889.934	763.783	4953.	1000	6.42
303	3029	890.367	763.330	5000.	1000	7.06
304	3039	890.555	762.701	5000.	1000	7.72

## AA03314 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
289	2897	881.936	763.411	3994.	1060	.00
290	2899	882.029	763.411	3994.	1060	.09
291	2909	882.493	763.412	3994.	1060	.56
292	2919	882.957	763.412	3994.	1067	1.02
293	2929	883.421	763.414	3994.	1067	1.48
294	2939	883.884	763.406	3994.	1000	1.95
295	2949	884.299	763.222	3810.	1000	2.41
296	2959	884.563	762.361	3477.	1000	2.86
297	2969	884.620	762.416	3143.	1000	3.31
298	2979	884.620	761.971	2810.	1000	3.76
299	2989	884.620	761.525	2513.	1000	4.20
300	2999	884.620	761.071	2500.	1000	4.66

## MID135 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
289	2897	881.316	765.003	4994.	1067	.00
290	2899	881.418	765.003	4994.	1067	.10
291	2909	881.929	765.003	4863.	1060	.61
292	2919	882.439	765.002	4695.	1060	1.12
293	2929	882.945	765.001	4526.	1060	1.63
294	2939	883.450	765.001	4358.	1060	2.14
295	2949	883.962	765.000	4190.	1060	2.65

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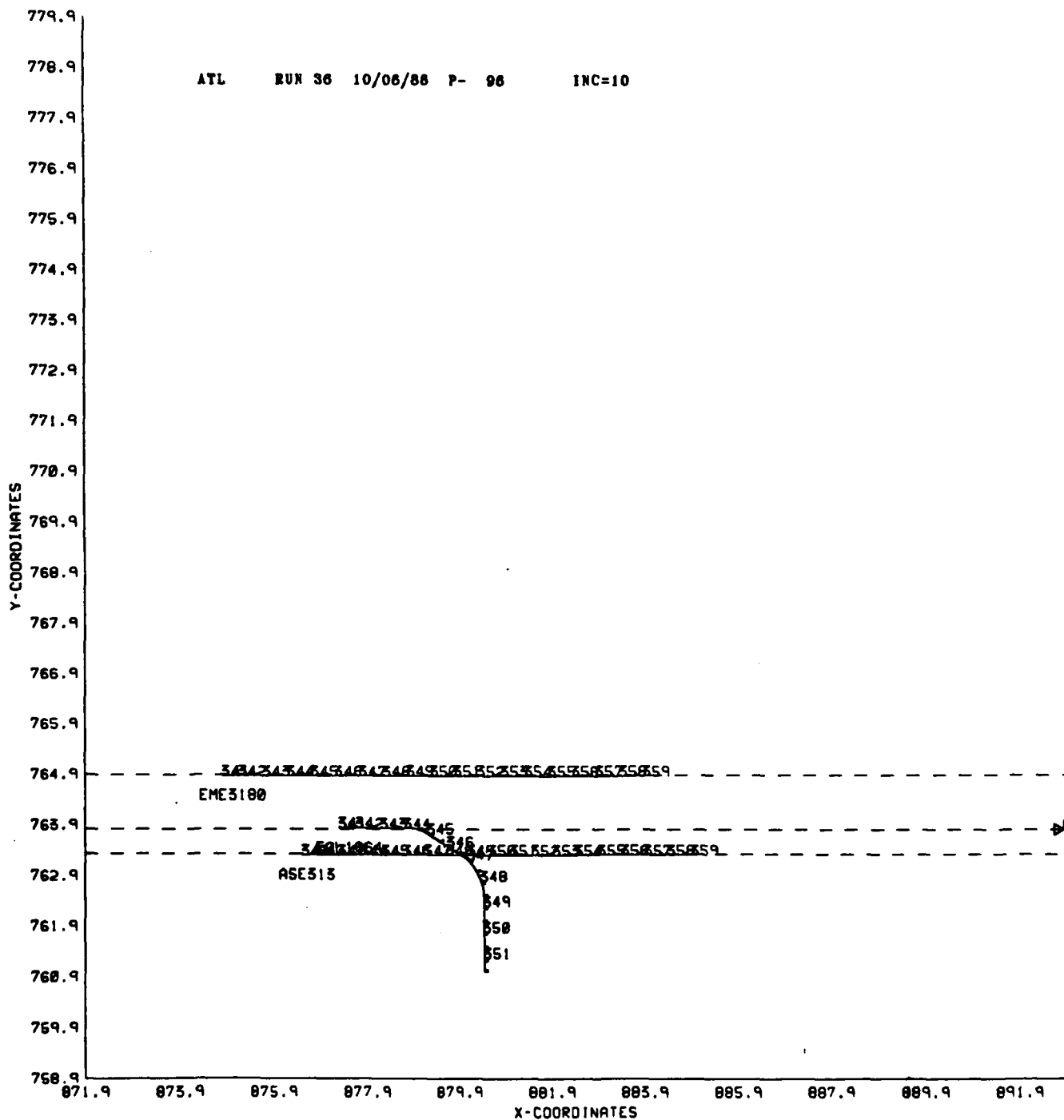
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296	2959	884.467	765.000	4023.	1067	3.15
297	2969	884.970	764.998	3856.	1067	3.65
298	2979	885.473	764.996	3689.	1060	4.16
299	2989	885.974	764.993	3523.	1060	4.66
300	2999	886.473	765.011	3358.	1067	5.16
301	3009	886.971	765.015	3192.	1067	5.66
302	3019	887.466	765.011	3022.	1060	6.15
303	3029	887.939	765.003	2870.	1060	6.62
304	3039	888.390	765.006	2720.	1060	7.08
305	3049	888.819	765.003	2574.	1067	7.50
306	3059	889.226	765.001	2438.	1060	7.91
307	3069	889.626	764.999	2319.	1067	8.31



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DATE OF RUN 10/06/53 RUN - 36 PLOT- 96

## EAL1654 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
341	3412	877.398	763.940	5994.	1060	.00
342	3419	877.762	763.940	5994.	1060	.36
343	3429	878.282	763.939	5994.	1060	.88
344	3439	878.800	763.939	5959.	1060	1.40
345	3449	879.298	763.832	5634.	1000	1.92
346	3459	879.735	763.579	5323.	1000	2.42
347	3469	880.165	763.317	5001.	1000	2.93
348	3479	880.461	762.906	5000.	1000	3.44
349	3489	880.524	762.402	5000.	1000	3.95
350	3499	880.524	761.889	5000.	1000	4.46
351	3509	880.524	761.377	5000.	1000	4.98

## ASE313 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
341	3412	876.502	763.404	3994.	1067	.00
342	3419	876.927	763.404	3994.	1060	.32
343	3429	877.390	763.403	3994.	1067	.79
344	3439	877.854	763.406	3994.	1060	1.25
345	3449	878.318	763.406	3994.	1060	1.72
346	3459	878.782	763.407	3994.	1060	2.18
347	3469	879.246	763.407	3994.	1060	2.64
348	3479	879.710	763.408	3994.	1060	3.11
349	3489	880.174	763.409	3994.	1060	3.57
350	3499	880.637	763.409	3994.	1067	4.04
351	3509	881.101	763.411	3994.	1067	4.50
352	3519	881.565	763.411	3994.	1060	4.96
353	3529	882.027	763.411	3982.	1057	5.43
354	3539	882.505	763.413	3982.	1067	5.90
355	3549	883.005	763.415	3982.	1060	6.40
356	3559	883.501	763.415	3982.	1060	6.90
357	3569	883.999	763.415	3982.	1060	7.40
358	3579	884.497	763.416	3952.	1060	7.90
359	3589	884.995	763.416	3800.	1060	8.39

## EME3100 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
341	3412	874.907	764.969	4994.	1060	.00
342	3419	875.266	764.969	4994.	1067	.36
343	3429	875.779	764.969	4994.	1060	.87
344	3439	876.291	764.969	4994.	1060	1.38
345	3449	876.804	764.969	4994.	1067	1.90

346	3459	877.317	764.970	4994.	1067	2.41
347	3469	877.329	764.970	4994.	1060	2.92
348	3479	878.342	764.971	4994.	1060	3.44
349	3489	878.855	764.972	4994.	1060	3.95
350	3499	879.367	764.973	4994.	1060	4.46
351	3509	879.830	764.973	4994.	1067	4.97
352	3519	880.393	764.974	4994.	1060	5.49
353	3529	880.906	764.974	4994.	1060	6.00
354	3539	881.418	764.975	4994.	1067	6.51
355	3549	881.930	764.976	4997.	1060	7.02
356	3559	882.440	764.976	4725.	1060	7.53
357	3569	882.949	764.977	4500.	1067	8.04
358	3579	883.457	764.977	4391.	1060	8.55
359	3589	883.965	764.978	4224.	1067	9.06



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DATE OF RUN 10/06/88 RUN - 37 PLOT- 97

## DAL1054 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
47	475	884.927	763.915	3820.	1060	.00
48	479	885.137	763.916	3749.	1060	.21
49	489	885.662	763.919	3570.	1060	.73
50	499	886.135	763.921	3392.	1060	1.26
51	509	886.705	763.891	3215.	1000	1.78
52	519	887.170	763.662	3038.	1000	2.30
53	529	887.670	763.501	3076.	1000	2.93
54	539	888.206	763.611	3488.	1000	3.38
55	549	888.756	763.811	3904.	1000	3.97
56	559	889.343	763.961	4321.	1000	4.58
57	569	889.954	763.981	4738.	1000	5.19
58	579	890.575	763.931	4993.	1000	5.81
59	589	891.216	763.931	5000.	1000	6.45
60	599	891.886	763.931	5000.	1000	7.12
61	609	892.585	763.981	5000.	1000	7.82
62	619	893.315	763.981	5000.	1000	8.55
63	629	894.059	763.981	5000.	1000	9.29
64	639	894.804	763.981	5000.	1000	10.04
65	649	895.549	763.981	5000.	1000	10.78

## EME2956 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
47	475	883.473	763.414	3994.	1060	.00
48	479	883.674	763.415	3994.	1060	.20
49	489	884.174	763.415	3994.	1060	.70
50	499	884.673	763.416	3891.	1060	1.20
51	509	885.171	763.416	3740.	1060	1.70
52	519	885.662	763.372	3558.	1000	2.19
53	529	886.068	763.110	3274.	1000	2.68
54	539	886.287	762.684	2940.	1000	3.17

## DAL21 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
47	475	882.415	764.977	4691.	1067	.00
48	479	882.521	764.977	4623.	1067	.21
49	489	883.134	764.977	4453.	1067	.72
50	499	883.547	764.977	4283.	1060	1.23
51	509	884.156	764.973	4114.	1060	1.74
52	519	884.668	764.979	3945.	1060	2.25
53	529	885.176	764.979	3776.	1067	2.76
54	539	885.684	764.980	3605.	1060	3.27

03/06/39

14:39:15

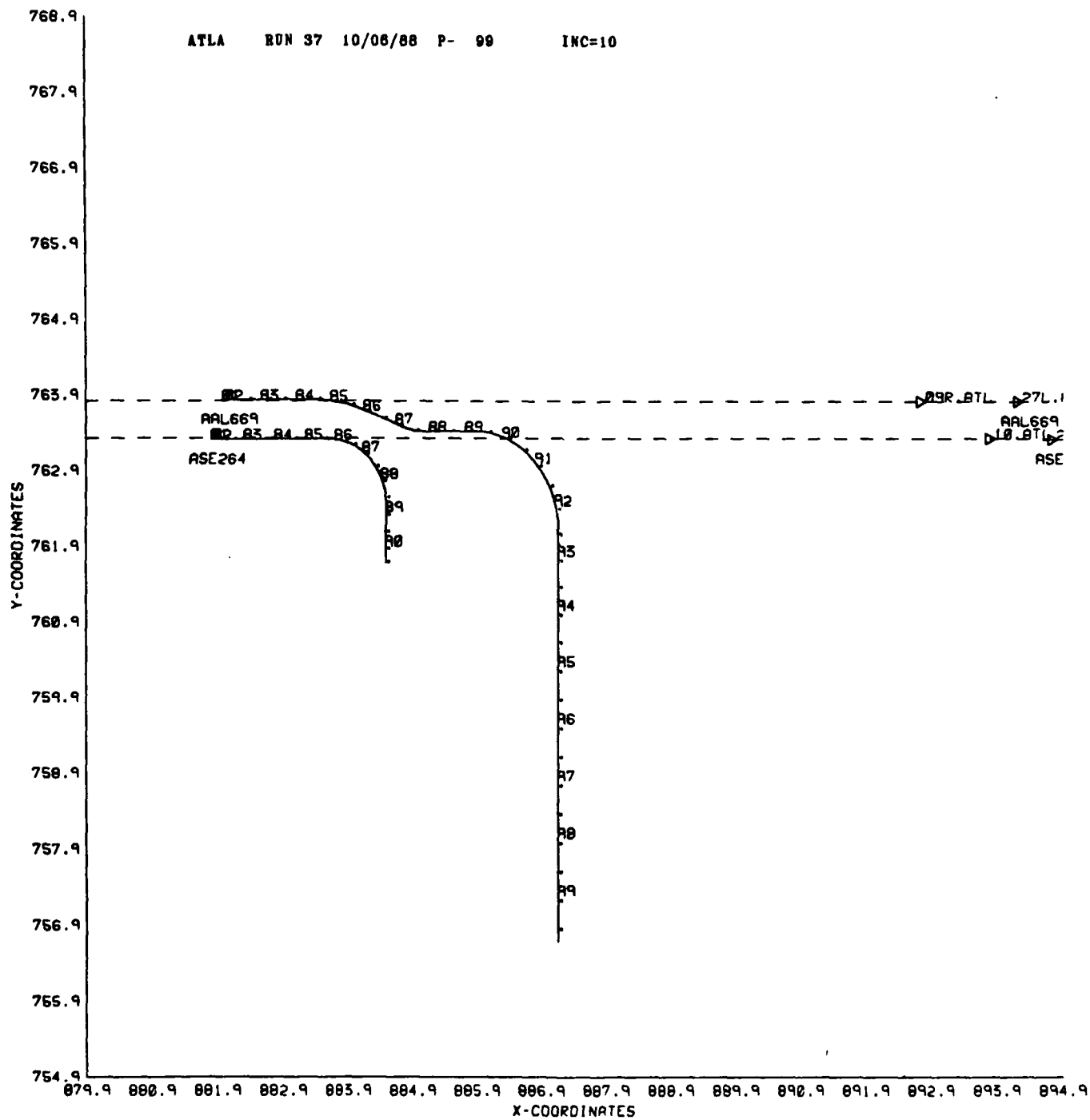
TASK # 370C0099

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55	549	386.190	764.980	3440.	1060	3.77
56	559	386.695	764.980	3273.	1060	4.28
57	569	387.198	764.980	3123.	1060	4.78
58	579	387.659	764.980	2960.	1060	5.27
59	589	388.156	764.960	2802.	1067	5.74
60	599	388.601	764.961	2651.	1067	6.19
61	609	389.024	764.966	2507.	1067	6.61
62	619	389.427	764.971	2355.	1060	7.01
63	629	389.827	764.973	2252.	1060	7.41
64	639	390.228	764.976	2119.	1060	7.81
65	649	390.626	764.978	1937.	1060	8.21





ATLA

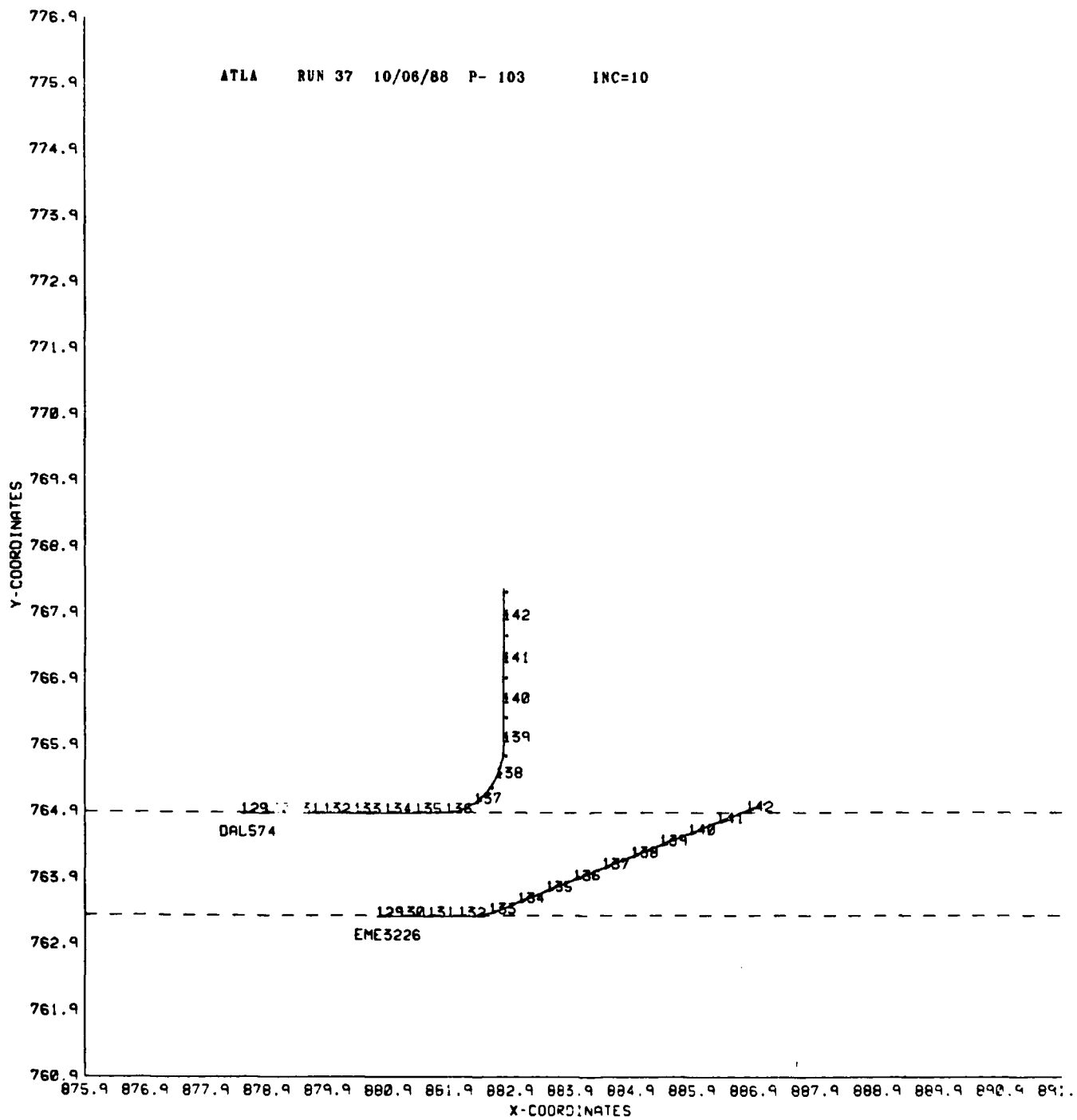
DATE OF RUN 10/06/88 RUN - 37 PLOT- 99

## AAL669 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
81	813	882.095	763.935	4775.	1060	.00
82	819	882.149	763.935	4757.	1060	.05
83	829	882.681	763.935	4576.	1067	.59
84	839	883.212	763.934	4395.	1060	1.12
85	849	883.741	763.923	4215.	1000	1.65
86	859	884.253	763.799	4035.	1000	2.17
87	869	884.749	763.618	3855.	1000	2.70
88	879	885.269	763.519	3843.	1000	3.24
89	889	885.825	763.519	4243.	1000	3.79
90	899	886.406	763.446	4659.	1000	4.38
91	909	886.909	763.106	5076.	1000	5.00
92	919	887.209	762.549	5493.	1000	5.63
93	929	887.258	761.379	5903.	1000	6.31
94	939	887.258	761.165	6000.	1000	7.02
95	949	887.258	760.419	6000.	1000	7.77
96	959	887.258	759.662	6000.	1000	8.53
97	969	887.258	758.906	6000.	1000	9.28
98	979	887.258	758.149	6000.	1000	10.04
99	989	887.258	757.392	6000.	1000	10.80

## ASE264 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
81	818	881.917	763.411	3994.	1060	.00
82	819	881.963	763.411	3994.	1060	.05
83	829	882.425	763.412	3994.	1067	.51
84	839	882.886	763.412	3994.	1060	.97
85	849	883.348	763.413	3994.	1067	1.43
86	859	883.809	763.410	3994.	1000	1.89
87	869	884.235	763.245	3994.	1000	2.35
88	879	884.520	762.893	3765.	1000	2.81
89	889	884.595	762.456	3515.	1000	3.26
90	899	884.595	762.004	3265.	1000	3.71



03/06/89 14:39:15 TASK # 37000099

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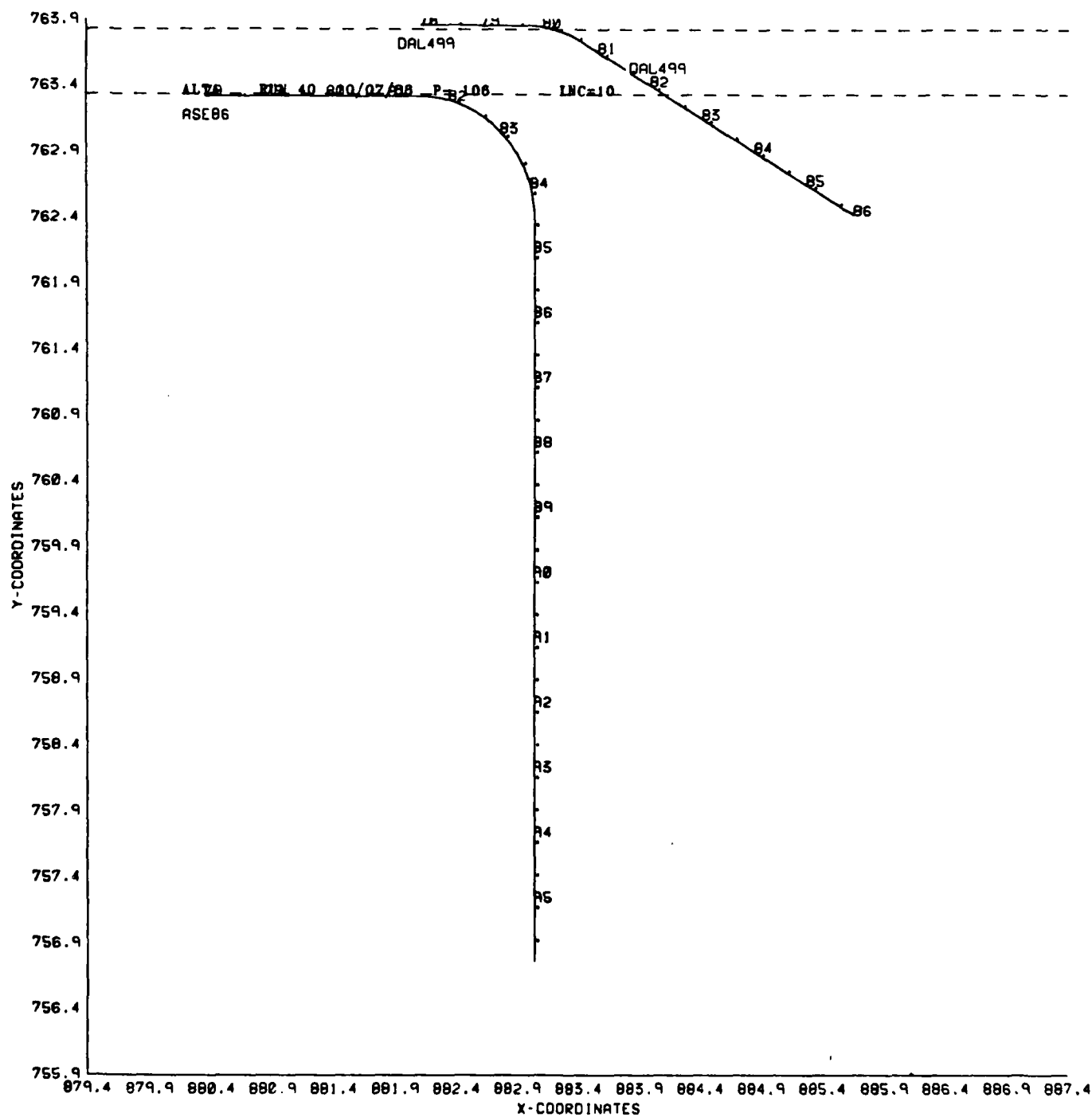
DATE OF RUN 10/06/88 RUN - 37 PLOT- 103

## EME3226 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
129	1292	880.807	763.411	3994.	1060	.00
130	1299	881.158	763.411	3994.	1060	.35
131	1309	881.658	763.412	3994.	1060	.85
132	1319	882.159	763.412	3994.	1067	1.35
133	1329	882.655	763.466	3994.	1000	1.85
134	1339	883.128	763.627	3994.	1000	2.35
135	1349	883.596	763.800	3994.	1000	2.85
136	1359	884.065	763.973	3994.	1000	3.35
137	1369	884.534	764.147	3994.	1000	3.85
138	1379	885.003	764.320	3994.	1000	4.35
139	1389	885.471	764.493	3994.	1000	4.85
140	1399	885.940	764.667	3994.	1000	5.35
141	1409	886.409	764.840	3994.	1000	5.85
142	1419	886.878	765.013	3994.	1000	6.35

## DAL574 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
129	1292	878.573	764.971	4994.	1060	.00
130	1299	878.925	764.972	4994.	1060	.35
131	1309	879.428	764.972	4994.	1060	.85
132	1319	879.931	764.973	4994.	1060	1.36
133	1329	880.434	764.974	4994.	1060	1.86
134	1339	880.937	764.974	4994.	1060	2.36
135	1349	881.440	764.975	4994.	1060	2.87
136	1359	881.942	764.975	4958.	1062	3.37
137	1369	882.416	765.131	5000.	1000	3.87
138	1379	882.763	765.521	5000.	1000	4.40
139	1389	882.876	766.061	5000.	1000	4.96
140	1399	882.876	766.648	5000.	1000	5.55
141	1409	882.876	767.266	5000.	1000	6.16
142	1419	882.876	767.913	5000.	1000	6.81



ALTA

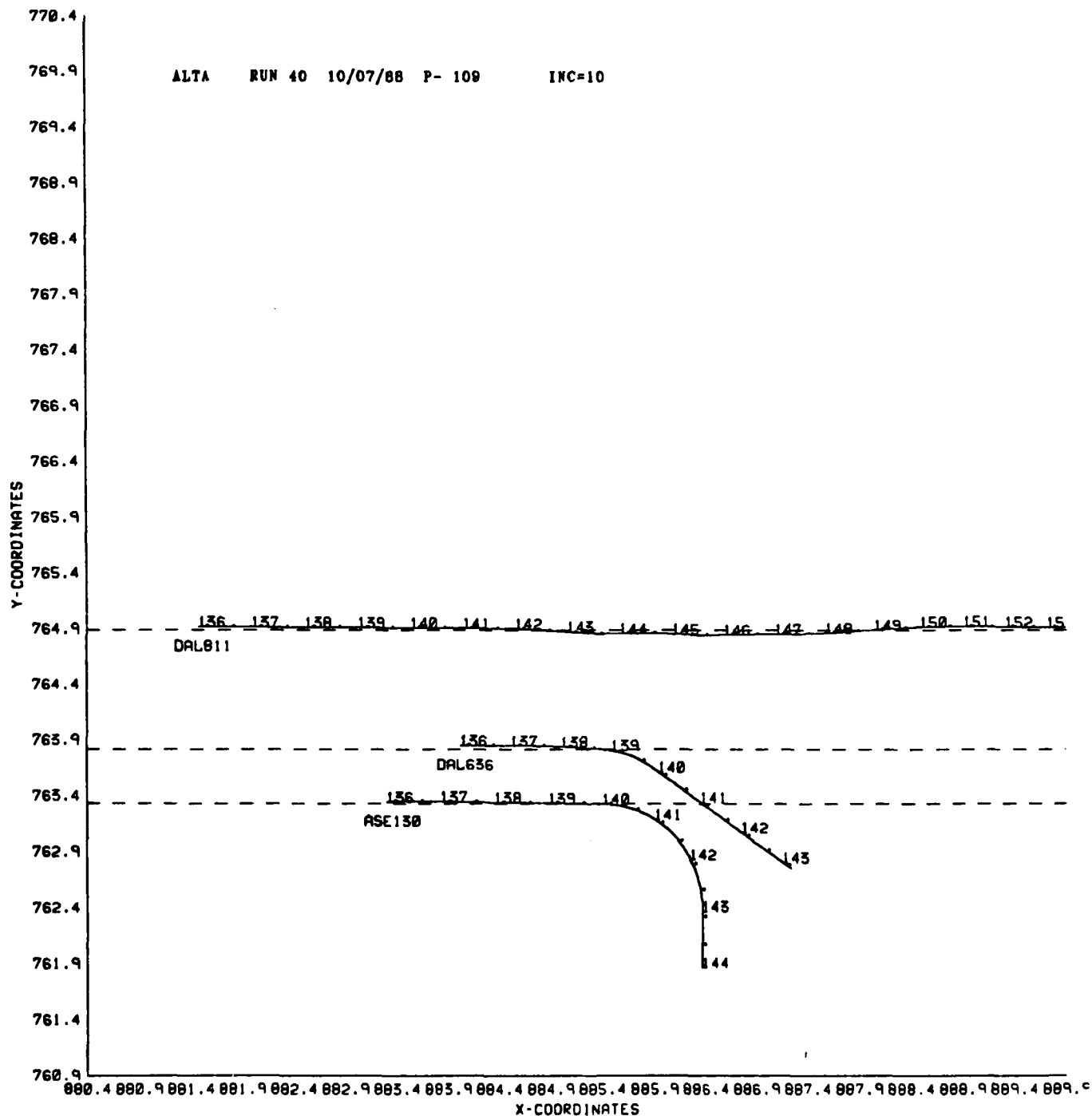
DATE OF RUN 10/27/88 RUN - 40 PLOT- 106

## DAL499 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
78	779	682.204	763.954	4640.	1060	.00
79	789	682.705	763.951	4470.	1060	.50
80	799	683.204	763.933	4300.	1000	1.00
81	809	683.659	763.744	4130.	1000	1.50
82	819	684.089	763.493	3961.	1000	2.00
83	829	684.516	763.243	3791.	1000	2.49
84	839	684.943	762.994	3622.	1000	2.99
85	849	685.369	762.743	3452.	1000	3.48
86	859	685.751	762.521	3299.	1000	3.92

## ASE86 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
76	779	680.458	763.412	3432.	1060	.00
77	789	680.956	763.412	3432.	1060	.50
80	799	681.434	763.412	3432.	1060	1.00
81	809	681.952	763.412	3432.	1060	1.49
82	819	682.445	763.381	3377.	1000	1.99
83	829	682.864	763.139	3243.	1000	2.48
84	839	683.105	762.723	2710.	1000	2.97
85	849	683.135	762.237	2500.	1000	3.46
86	859	683.135	761.744	2500.	1000	3.95
87	869	683.135	761.250	2500.	1000	4.44
88	879	683.135	760.757	2500.	1000	4.93
89	889	683.135	760.264	2500.	1000	5.43
90	899	683.135	759.771	2500.	1000	5.92
91	909	683.135	759.276	2500.	1000	6.41
92	919	683.135	758.783	2500.	1000	6.91
93	929	683.135	758.292	2500.	1000	7.40
94	939	683.135	757.796	2500.	1000	7.89
95	949	683.135	757.305	2500.	1000	8.39



ALTA

DATE OF RUN 10/07/58 RUN - 40 PLOT- 109

## DAL636 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
136	1359	884.120	763.953	3929.	1067	.00
137	1369	884.613	763.951	3821.	1060	.49
138	1379	885.105	763.942	3654.	1067	.99
139	1389	885.595	763.908	3487.	1000	1.48
140	1399	886.039	763.712	3320.	1000	1.97
141	1409	886.446	763.443	3154.	1000	2.45
142	1419	886.854	763.175	2987.	1000	2.94
143	1429	887.259	762.907	2820.	1000	3.43

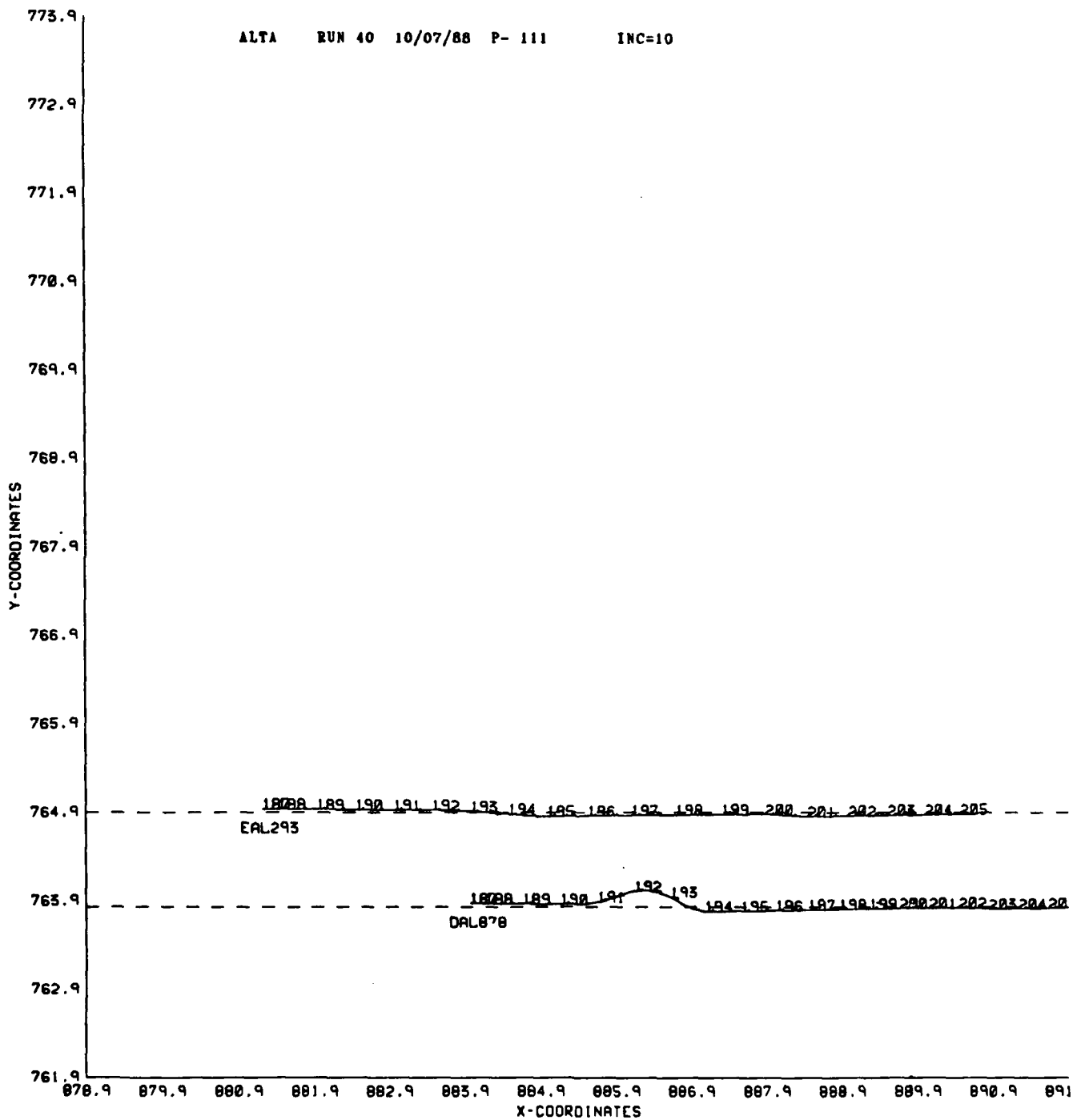
## ASE130 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
136	1359	883.405	763.446	3494.	1067	.00
137	1369	883.930	763.450	3494.	1067	.53
138	1379	884.455	763.442	3494.	1060	1.05
139	1389	884.979	763.435	3494.	1060	1.58
140	1399	885.504	763.428	3494.	1060	2.10
141	1409	886.005	763.286	3512.	1000	2.62
142	1419	886.550	762.933	3817.	1000	3.13
143	1429	886.468	762.468	4000.	1000	3.61
144	1439	886.457	761.964	4000.	1000	4.12

## DAL611 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
136	1359	881.579	765.020	4914.	1060	.00
137	1369	882.094	765.017	4743.	1060	.52
138	1379	882.610	765.015	4572.	1060	1.03
139	1389	883.122	765.012	4402.	1060	1.54
140	1399	883.635	765.010	4233.	1060	2.06
141	1409	884.145	765.007	4063.	1060	2.57
142	1419	884.655	765.005	3895.	1067	3.08
143	1429	885.165	764.974	3725.	1060	3.58
144	1439	885.669	764.959	3553.	1060	4.09
145	1449	886.174	764.954	3391.	1067	4.60
146	1459	886.678	764.943	3223.	1067	5.10
147	1469	887.181	764.955	3050.	1060	5.60
148	1479	887.675	764.953	2893.	1067	6.10
149	1489	888.142	764.993	2733.	1060	6.57
150	1499	888.588	765.021	2584.	1060	7.01
151	1509	889.012	765.024	2440.	1067	7.44
152	1519	889.416	765.015	2310.	1060	7.84
153	1529	889.810	765.015	2180.	1060	8.24





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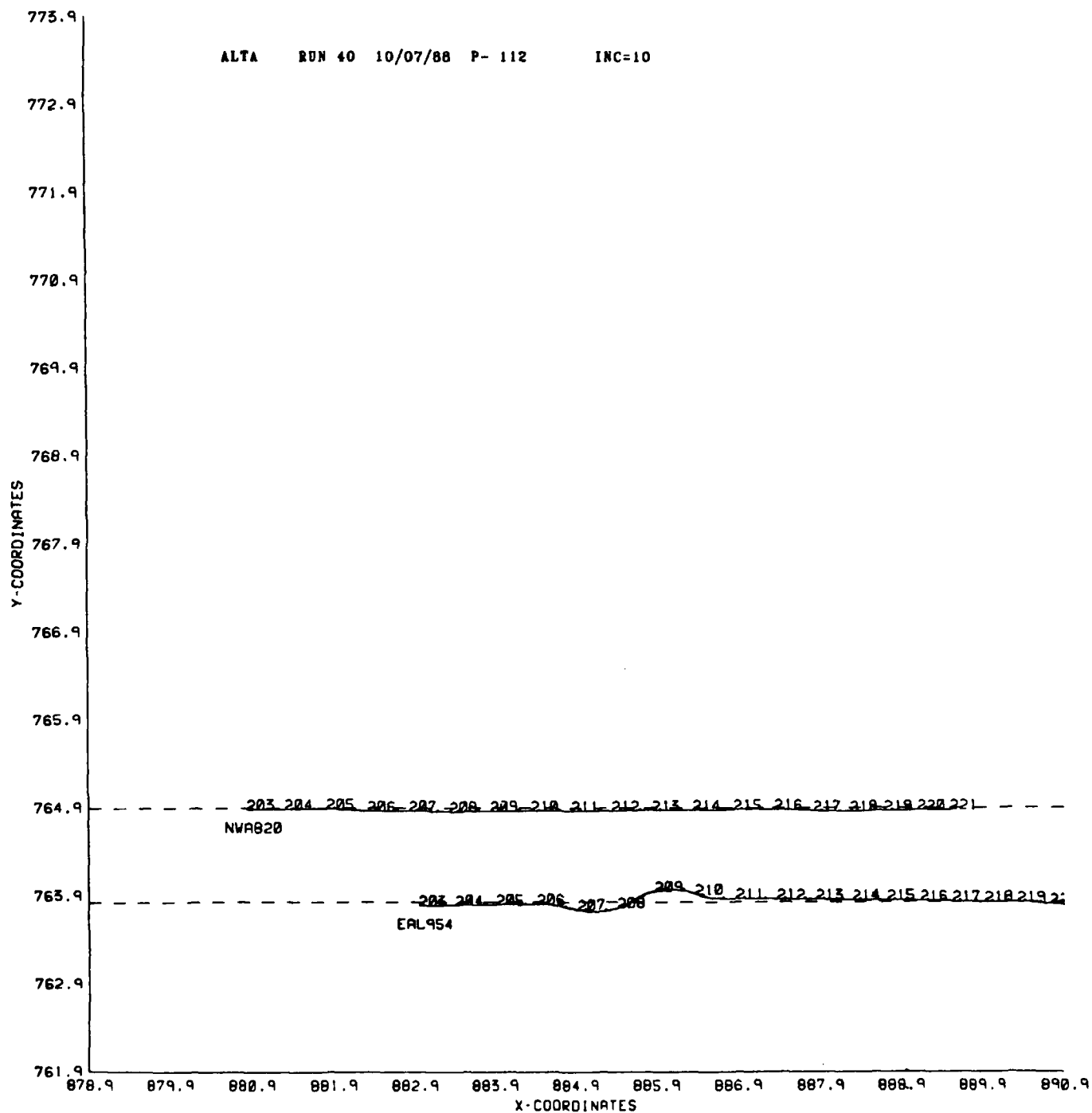
DATE OF RUN 10/07/98 RUN - 40 PLOT- 111

## DAL873 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TPACK	DISTANCE
187	1875	884.073	763.964	4001.	1060	.00
188	1879	884.273	763.962	3933.	1060	.20
189	1889	884.771	763.957	3781.	1060	.70
190	1899	885.268	763.952	3612.	1060	1.19
191	1909	885.762	763.930	3443.	1000	1.59
192	1919	886.240	764.101	3275.	1000	2.18
193	1929	886.724	764.034	3106.	1000	2.68
194	1939	887.185	763.875	2938.	1066	3.17
195	1949	887.664	763.378	2799.	1060	3.65
196	1959	888.120	763.835	2643.	1060	4.11
197	1969	888.554	763.892	2495.	1060	4.54
198	1979	888.966	763.897	2354.	1060	4.95
199	1989	889.366	763.902	2218.	1060	5.35
200	1999	889.760	763.907	2083.	1060	5.75
201	2009	890.164	763.912	1947.	1060	6.15
202	2019	890.562	763.917	1812.	1060	6.55
203	2029	890.959	763.905	1677.	1067	6.94
204	2039	891.354	763.909	1542.	1060	7.34
205	2049	891.750	763.916	1408.	1060	7.74

## EAL293 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TPACK	DISTANCE
187	1875	881.316	765.029	4994.	1060	.00
188	1879	881.522	765.020	4931.	1060	.21
189	1889	882.035	765.026	4761.	1060	.72
190	1899	882.548	765.023	4591.	1067	1.23
191	1909	883.050	765.021	4422.	1067	1.74
192	1919	883.562	765.019	4253.	1060	2.25
193	1929	884.075	765.001	4085.	1067	2.76
194	1939	884.581	764.972	3917.	1060	3.27
195	1949	885.093	764.950	3755.	1000	3.78
196	1959	885.628	764.951	4200.	1060	4.31
197	1969	886.199	764.956	4070.	1060	4.89
198	1979	886.794	764.961	3774.	1060	5.45
199	1989	887.402	764.966	3471.	1060	6.09
200	1999	887.989	764.971	3176.	1067	6.67
201	2009	888.552	764.945	2898.	1060	7.24
202	2019	889.092	764.954	2617.	1060	7.78
203	2029	889.608	764.962	2364.	1060	8.29
204	2039	890.104	764.969	2136.	1060	8.79
205	2049	890.577	764.975	2026.	1067	9.26



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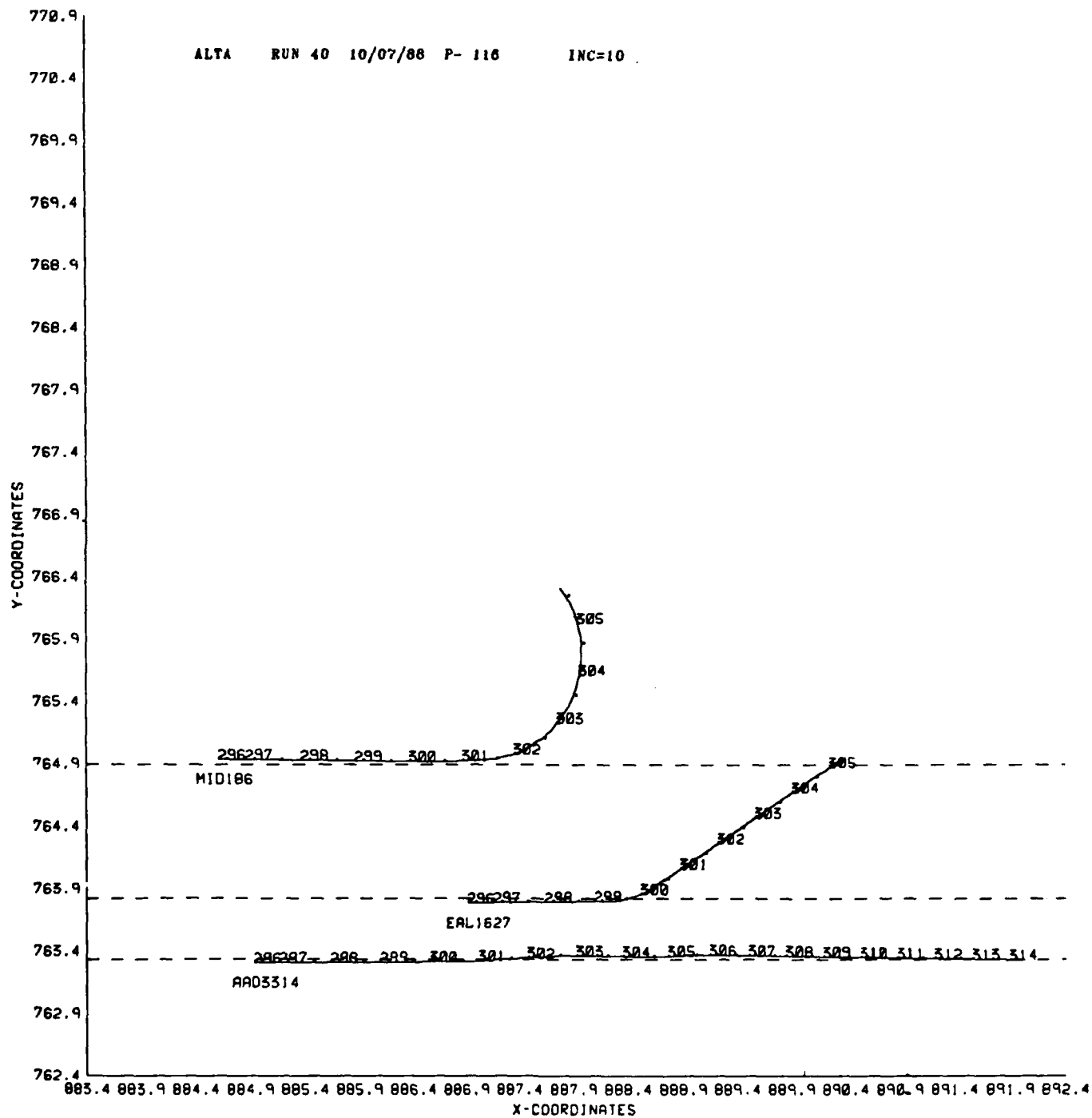
DATE OF RUN 10/07/38 RUN - 40 PLOT- 112

## EAL954 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
203	2030	683.067	763.885	4350.	1060	.00
204	2039	683.525	763.890	4195.	1067	.46
205	2049	684.033	763.895	4022.	1060	.97
206	2059	684.540	763.900	3849.	1060	1.47
207	2069	685.041	763.836	3677.	1000	1.98
208	2079	685.540	763.858	3505.	1000	2.48
209	2089	686.004	764.045	3362.	1067	2.99
210	2099	686.500	764.014	3191.	1000	3.49
211	2109	686.994	763.962	3015.	1060	3.99
212	2119	687.490	763.956	2846.	1060	4.48
213	2129	687.963	763.951	2684.	1060	4.96
214	2139	688.414	763.946	2546.	1060	5.41
215	2149	688.842	763.941	2400.	1060	5.84
216	2159	689.249	763.936	2261.	1060	6.24
217	2169	689.649	763.931	2125.	1060	6.64
218	2179	690.048	763.927	1990.	1060	7.04
219	2189	690.446	763.922	1854.	1060	7.44
220	2199	690.842	763.902	1719.	1067	7.84
221	2209	691.233	763.902	1584.	1060	8.23

## NWA820 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
203	2030	680.957	764.979	4994.	1060	.00
204	2039	681.412	764.961	4965.	1060	.46
205	2049	681.923	764.933	4796.	1067	.97
206	2059	682.437	764.956	4627.	1060	1.46
207	2069	682.945	764.961	4459.	1060	1.99
208	2079	683.452	764.950	4290.	1067	2.50
209	2089	683.957	764.954	4123.	1060	3.00
210	2099	684.462	764.957	3956.	1060	3.51
211	2109	684.963	764.959	3789.	1060	4.01
212	2119	685.467	764.962	3623.	1060	4.51
213	2129	685.967	764.964	3457.	1060	5.01
214	2139	686.467	764.967	3292.	1060	5.51
215	2149	686.963	764.969	3126.	1060	6.01
216	2159	687.459	764.972	2962.	1060	6.50
217	2169	687.932	764.958	2804.	1067	6.96
218	2179	688.332	764.954	2652.	1060	7.43
219	2189	688.811	764.959	2508.	1067	7.86
220	2199	689.217	764.964	2334.	1060	8.26
221	2209	689.616	764.969	2251.	1060	8.66



ALTA

DATE OF RUN 10/07/88 RUN - 40 PLOT- 116

## EAL1627 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
296	2964	887.017	763.851	3153.	1060	.00
297	2969	887.263	763.886	3074.	1060	.25
298	2979	887.741	763.892	2911.	1067	.72
299	2989	888.196	763.897	2745.	1060	1.18
300	2999	888.621	763.955	2597.	1000	1.61
301	3009	888.972	764.157	2449.	1000	2.02
302	3019	889.322	764.362	2301.	1000	2.42
303	3029	889.667	764.567	2153.	1000	2.82
304	3039	890.009	764.770	2005.	1000	3.22
305	3049	890.350	764.972	1856.	1000	3.62

## AA03314 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
296	2964	885.041	763.403	3494.	1060	.00
297	2969	885.273	763.404	3494.	1060	.23
298	2979	885.737	763.407	3494.	1060	.70
299	2989	886.196	763.409	3370.	1060	1.16
300	2999	886.660	763.412	3229.	1060	1.62
301	3009	887.119	763.418	3089.	1067	2.08
302	3019	887.578	763.445	2949.	1060	2.54
303	3029	888.028	763.459	2812.	1060	2.99
304	3039	888.456	763.454	2681.	1060	3.42
305	3049	888.862	763.457	2556.	1067	3.82
306	3059	889.244	763.467	2448.	1060	4.21
307	3069	889.606	763.462	2335.	1067	4.57
308	3079	889.951	763.457	2229.	1067	4.91
309	3089	890.293	763.452	2124.	1060	5.25
310	3099	890.635	763.447	2020.	1060	5.60
311	3109	890.976	763.442	1916.	1060	5.94
312	3119	891.318	763.437	1812.	1060	6.28
313	3129	891.660	763.432	1708.	1060	6.62
314	3139	891.999	763.427	1605.	1060	6.96

## MID186 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
296	2964	884.714	765.034	3873.	1060	.00
297	2969	884.963	765.032	3799.	1060	.25
298	2979	885.467	765.027	3623.	1060	.75
299	2989	885.962	765.022	3457.	1067	1.25
300	2999	886.463	765.017	3292.	1060	1.75
301	3009	886.960	765.024	3125.	1067	2.25

03/17/69

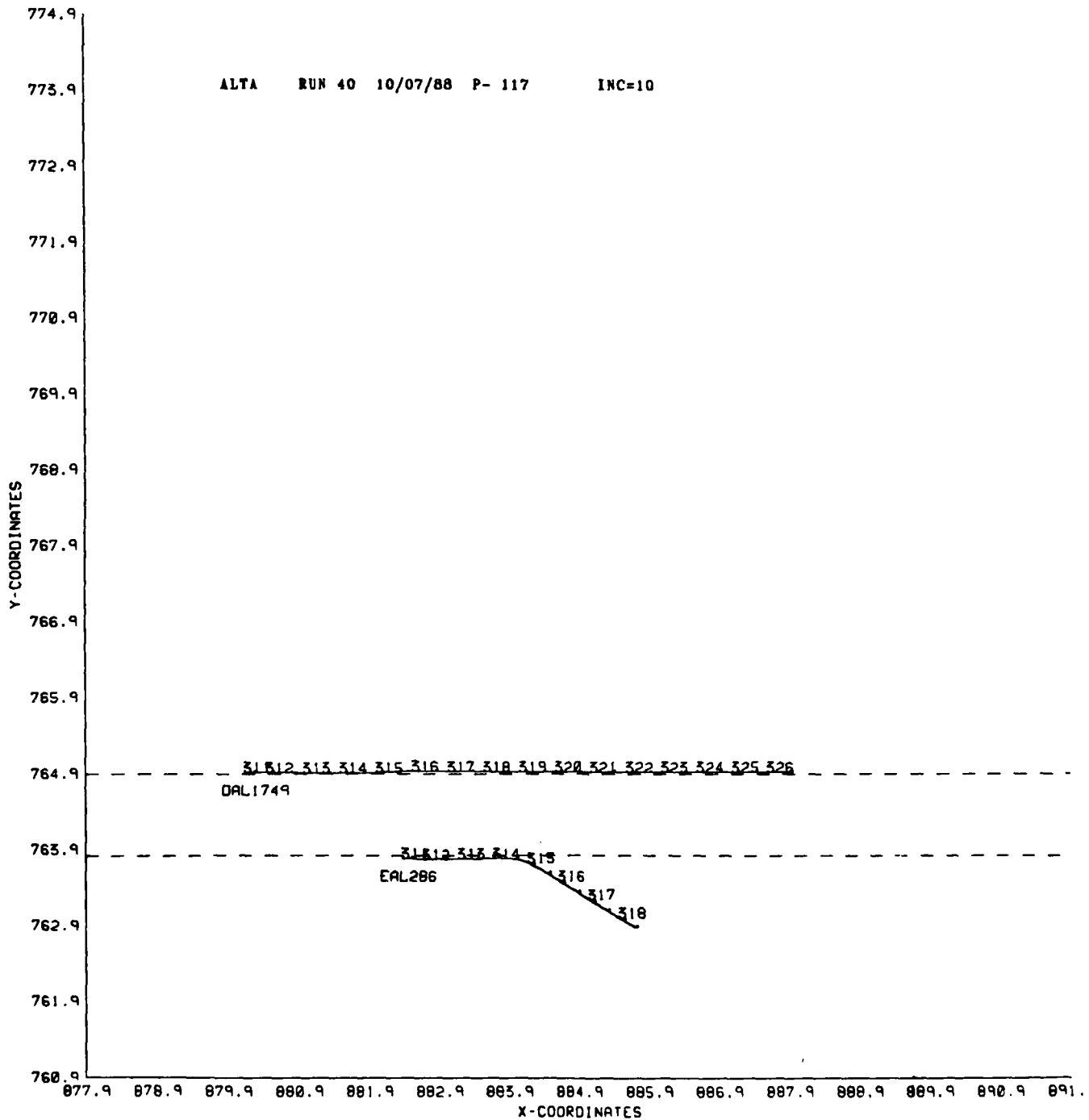
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TASK # 2700059

CP.PR

GCULD C.S.D. MFX-3

302	3019	687.455	765.076	2962.	1000	2.75
303	3029	687.350	765.326	3068.	1000	3.22
304	3039	688.055	765.713	3485.	1000	3.66
305	3049	688.036	766.129	3901.	1000	4.08





ALTA

DATE OF RUN 10/07/85 RUN - 40 PLOT- 117

## EAL280 ACTUAL FLIGHT:

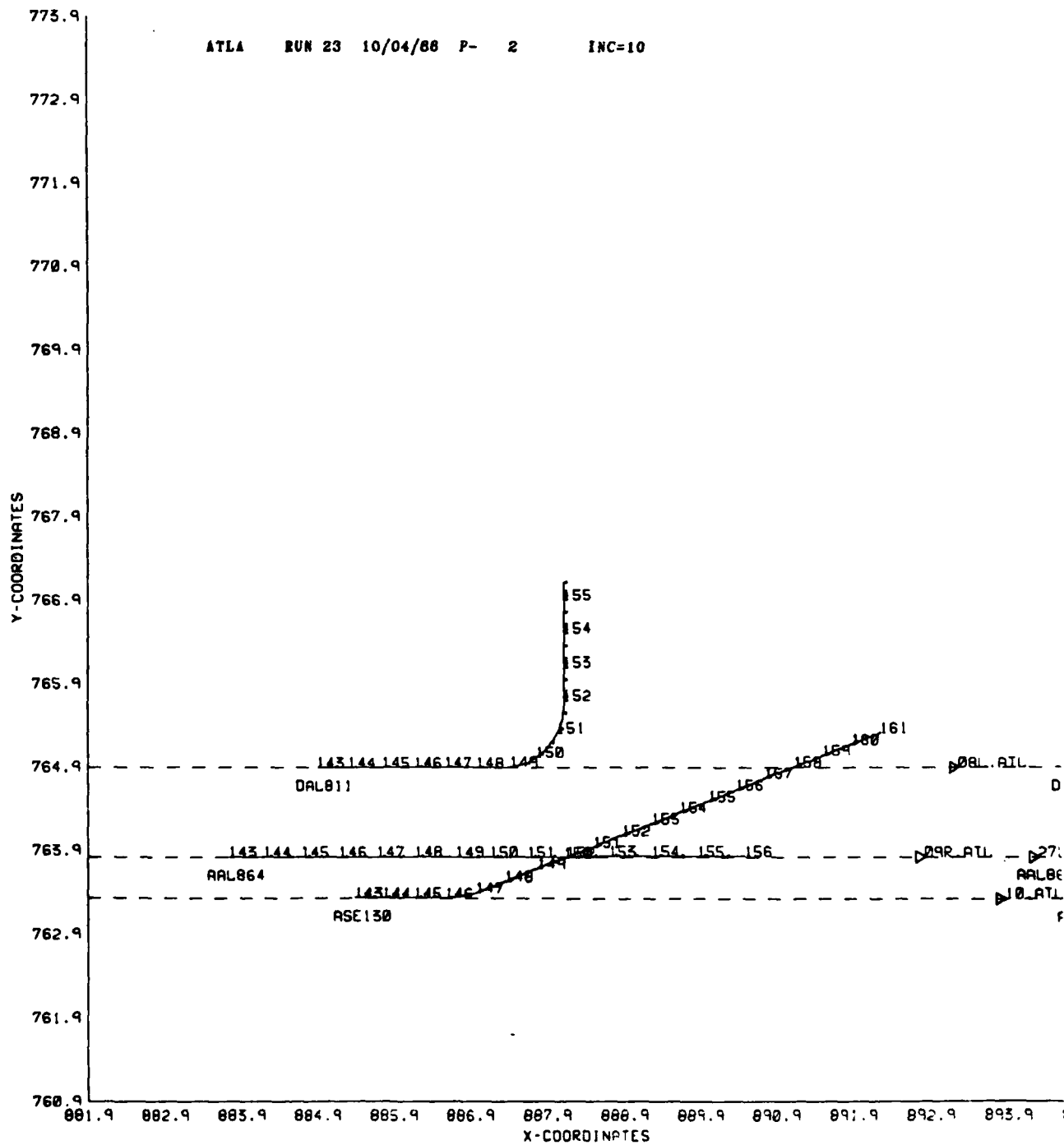
INC	TIME	X	Y	ALT	TRACK	DISTANCE
311	3113	882.469	763.533	4547.	1067	.00
312	3119	882.771	763.869	4444.	1060	.30
313	3129	883.273	763.374	4273.	1060	.30
314	3139	883.773	763.879	4103.	1067	1.30
315	3149	884.268	763.822	3950.	1000	1.30
316	3159	884.705	763.536	3763.	1000	2.30
317	3169	885.137	763.342	3593.	1000	2.30
318	3179	885.569	763.093	3423.	1000	3.30

## DAL1749 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
311	3113	880.233	765.010	4994.	1060	.00
312	3119	880.545	765.008	4994.	1060	.31
313	3129	881.065	765.006	4994.	1060	.33
314	3139	881.584	765.003	4914.	1060	1.35
315	3149	882.099	765.003	4743.	1067	1.87
316	3159	882.614	765.027	4572.	1060	2.38
317	3169	883.126	765.024	4402.	1060	2.39
318	3179	883.639	765.021	4232.	1060	3.41
319	3189	884.149	765.019	4063.	1060	3.92
320	3199	884.659	765.013	3894.	1067	4.43
321	3209	885.167	765.013	3726.	1060	4.93
322	3219	885.674	765.016	3558.	1060	5.44
323	3229	886.179	765.013	3390.	1060	5.95
324	3239	886.684	765.013	3223.	1060	6.45
325	3249	887.197	765.019	3057.	1067	6.95
326	3259	887.679	765.020	2891.	1060	7.45

APPENDIX C2

PLOTS OF BLUNDERS WHICH  
THREATENED TWO RUNWAYS



ATLA

DATE OF RUN 10/04/88 RUN - 23 PLOT- 2

## ASE130 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
143	1430	885.497	763.431	3679.	1060	.00
144	1439	885.864	763.431	3563.	1060	.37
145	1449	886.272	763.431	3434.	1060	.77
146	1459	886.679	763.431	3306.	1060	1.18
147	1469	887.079	763.494	3178.	1000	1.59
148	1479	887.461	763.630	3049.	1000	1.99
149	1490	887.880	763.783	2908.	1000	2.44
150	1499	888.221	763.908	2792.	1000	2.80
151	1509	888.600	764.045	2664.	1000	3.21
152	1519	888.978	764.182	2536.	1000	3.61
153	1529	889.356	764.318	2407.	1000	4.01
154	1539	889.732	764.455	2279.	1000	4.41
155	1549	890.108	764.592	2151.	1000	4.81
156	1559	890.484	764.729	2022.	1000	5.21
157	1569	890.857	764.865	1894.	1000	5.61
158	1579	891.231	765.002	1765.	1000	6.01
159	1589	891.604	765.139	1637.	1000	6.40
160	1599	891.977	765.273	1509.	1000	6.80
161	1609	892.348	765.408	1380.	1000	7.19

## DAL811 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
143	1430	884.995	764.994	3881.	1060	.00
144	1439	885.410	764.994	3738.	1060	.42
145	1449	885.850	764.994	3586.	1060	.85
146	1459	886.266	764.994	3442.	1060	1.27
147	1469	886.673	764.994	3302.	1060	1.68
148	1479	887.078	764.994	3162.	1060	2.08
149	1490	887.524	764.997	3009.	1000	2.53
150	1499	887.863	765.117	2884.	1000	2.89
151	1509	888.130	765.414	2745.	1000	3.30
152	1519	888.213	765.803	2606.	1000	3.70
153	1529	888.213	766.205	2467.	1000	4.10
154	1539	888.213	766.605	2327.	1000	4.50
155	1549	888.213	767.006	2188.	1000	4.90

## AAL364 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
143	1430	883.839	763.923	4222.	1060	.00
144	1439	884.289	763.923	4062.	1060	.45
145	1449	884.788	763.923	3886.	1060	.95

03/15/89

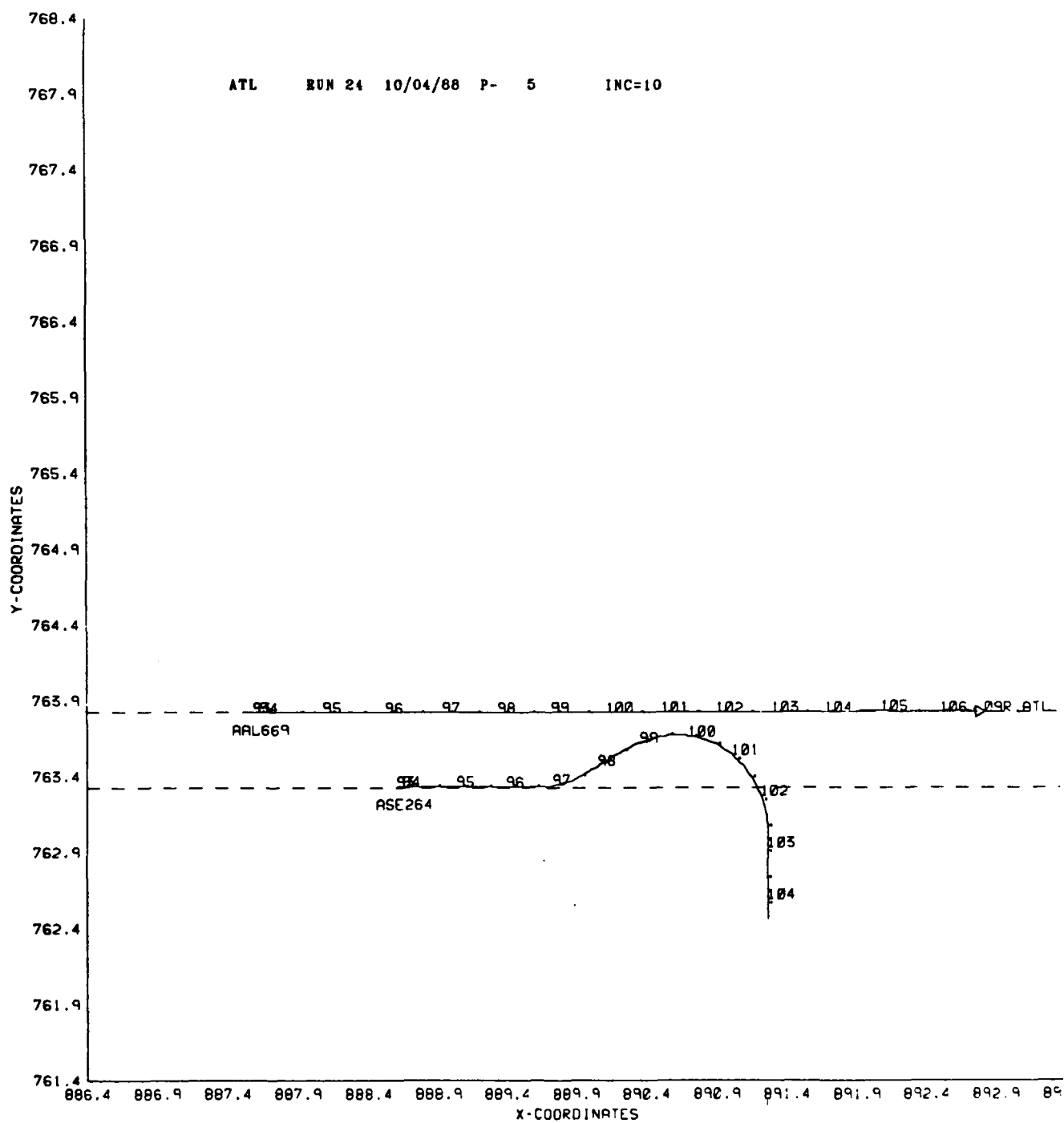
09:53:01

TASK # 17000080

ALGEO

GCULD C.S.D. MPX-3

146	1459	885.286	763.923	3709.	1060	1.45
147	1469	885.782	763.923	3534.	1060	1.94
148	1479	886.277	763.923	3358.	1060	2.44
149	1490	886.821	763.923	3292.	1062	2.98
150	1499	887.259	763.923	3633.	1062	3.42
151	1509	887.749	763.923	3990.	1062	3.91
152	1519	888.258	763.924	4000.	1062	4.42
153	1529	888.796	763.926	4000.	1062	4.96
154	1539	889.364	763.928	4000.	1062	5.52
155	1549	889.961	763.931	4000.	1062	6.12
156	1559	890.587	763.927	4000.	1062	6.75



03/15/89 09:47:40 TASK # 3C0000A4

ALGEO

GOULD C.S.O. MPX-

ATLA

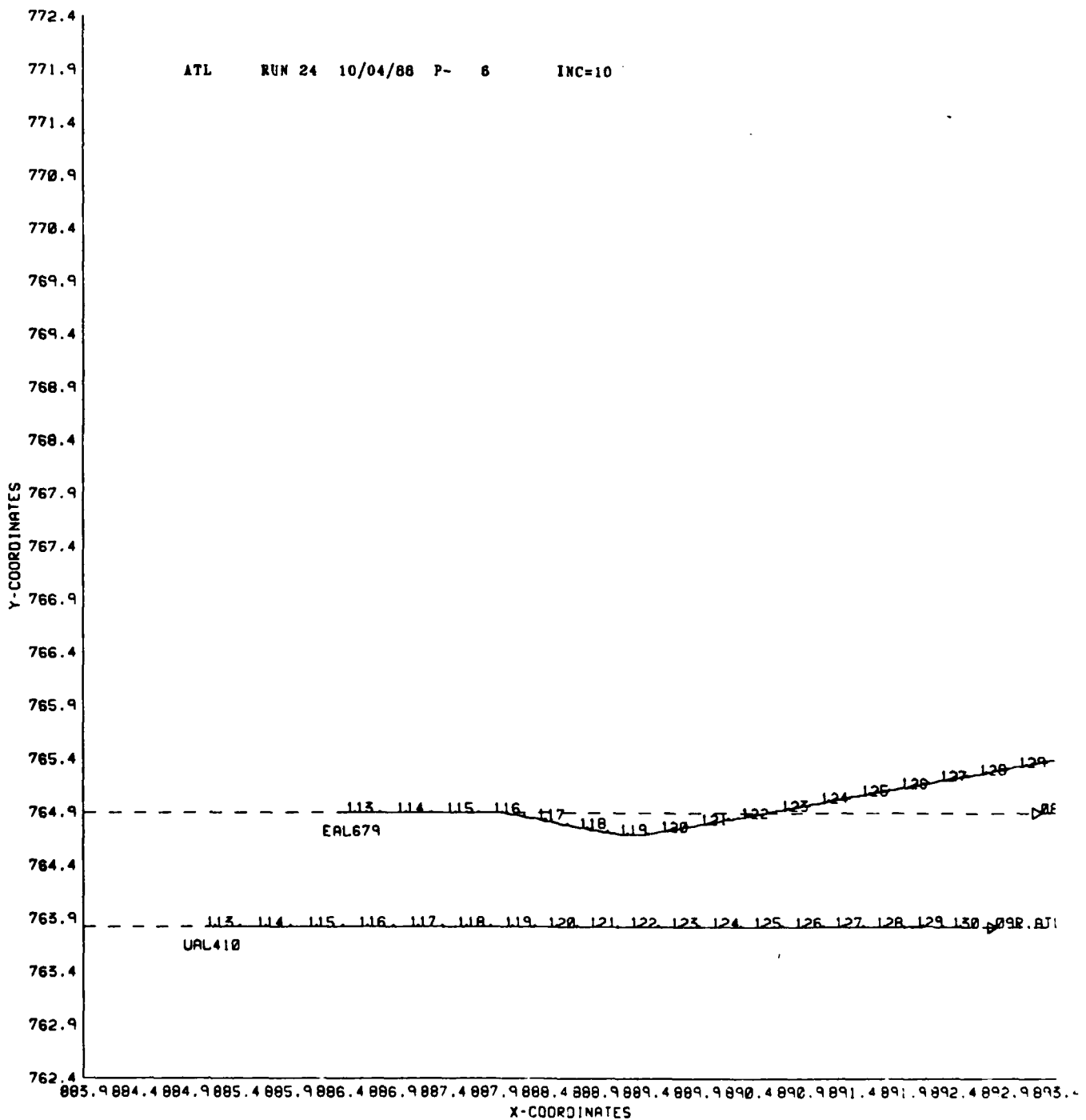
DATE OF RUN 10/04/88 RUN - 24 PLOT- 5

## ASE264 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
93	938	888.713	763.431	2665.	1060	.00
94	939	888.753	763.431	2653.	1060	.04
95	949	889.137	763.431	2531.	1060	.42
96	959	889.499	763.431	2416.	1060	.79
97	969	889.844	763.438	2306.	1000	1.13
98	979	890.158	763.570	2198.	1000	1.47
99	989	890.465	763.722	2089.	1000	1.82
100	999	890.801	763.765	1981.	1000	2.16
101	1009	891.113	763.635	1872.	1000	2.50
102	1019	891.318	763.368	1764.	1000	2.84
103	1029	891.367	763.034	1655.	1000	3.18
104	1039	891.367	762.695	1547.	1000	3.52

## AAL669 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
93	938	887.694	763.923	2856.	1060	.00
94	939	887.740	763.923	2839.	1060	.05
95	949	888.195	763.923	2677.	1060	.50
96	959	888.627	763.923	2524.	1060	.93
97	969	889.036	763.923	2378.	1060	1.34
98	979	889.437	763.923	2236.	1060	1.74
99	989	889.834	763.923	2365.	1062	2.14
100	999	890.221	763.923	2781.	1062	2.53
101	1009	890.610	763.923	3198.	1062	2.92
102	1019	891.002	763.923	3615.	1062	3.31
103	1029	891.397	763.923	4031.	1062	3.70
104	1039	891.777	763.923	4630.	1062	4.08
105	1049	892.179	763.924	4985.	1062	4.49
106	1059	892.604	763.925	5000.	1000	4.91





ATLA

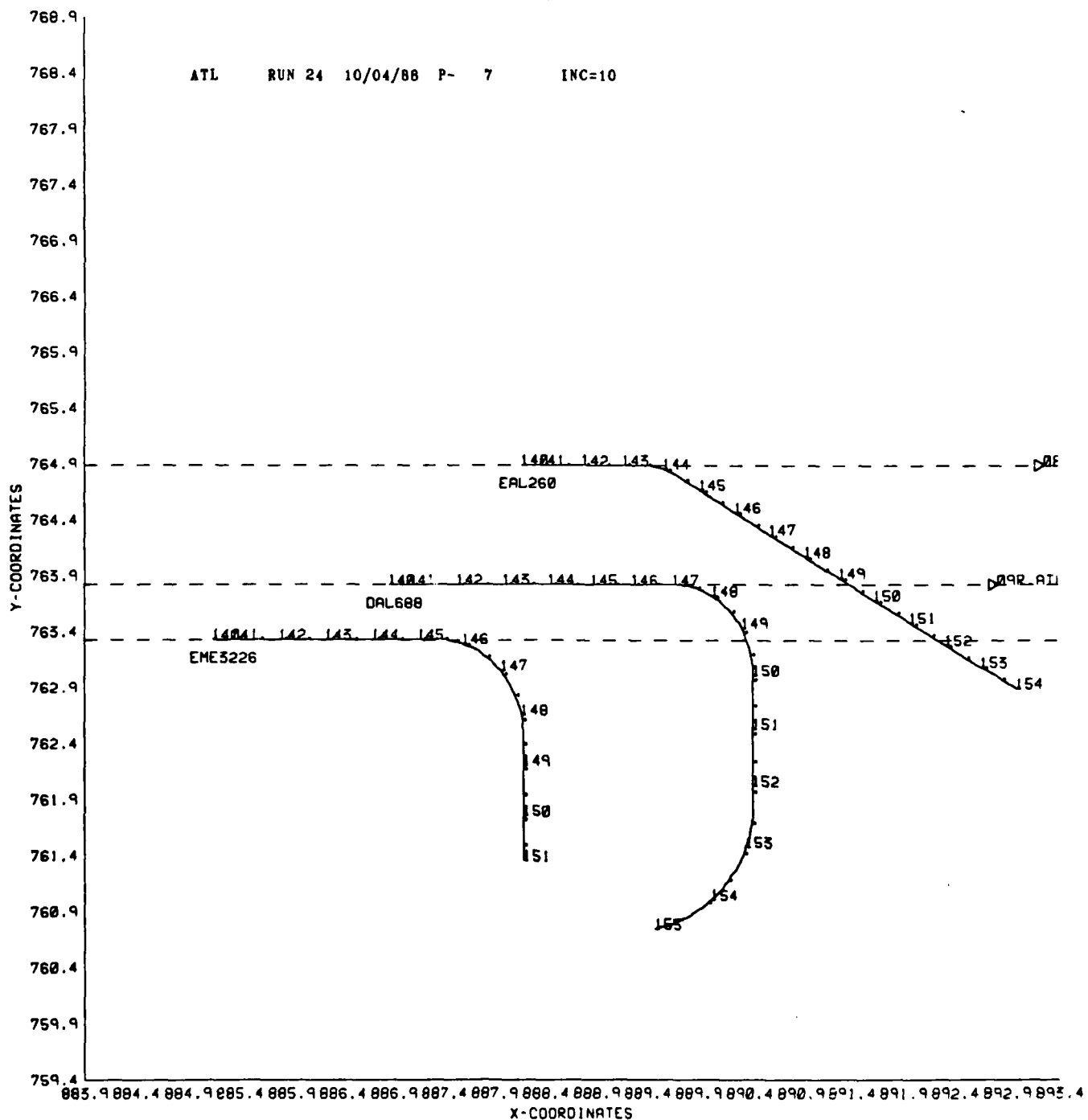
DATE OF RUN 10/04/88 RUN - 24 PLOT- 6

## EAL679 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1129	886.559	764.994	3349.	1060	.00
114	1139	887.052	764.994	3179.	1060	.49
115	1149	887.539	764.994	3012.	1060	.98
116	1159	888.002	764.992	2851.	1000	1.44
117	1169	888.439	764.928	2695.	1000	1.88
118	1179	888.851	764.855	2538.	1000	2.30
119	1189	889.248	764.792	2381.	1000	2.71
120	1199	889.646	764.817	2224.	1000	3.11
121	1209	890.039	764.835	2067.	1000	3.50
122	1219	890.431	764.954	1911.	1000	3.90
123	1229	890.821	765.022	1754.	1000	4.30
124	1239	891.212	765.090	1597.	1000	4.70
125	1249	891.601	765.159	1440.	1000	5.09
126	1259	891.989	765.227	1284.	1000	5.48
127	1269	892.377	765.295	1145.	1000	5.88
128	1279	892.765	765.364	1085.	1000	6.27
129	1289	893.153	765.432	1026.	1000	6.67
130	1299	893.542	765.500	1026.	1000	7.06

## UAL410 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1129	885.206	763.923	3739.	1060	.00
114	1139	885.699	763.923	3564.	1060	.49
115	1149	886.192	763.923	3389.	1060	.99
116	1159	886.683	763.923	3215.	1060	1.48
117	1169	887.174	763.923	3042.	1060	1.97
118	1179	887.653	763.923	2871.	1060	2.45
119	1189	888.109	763.923	2709.	1060	2.90
120	1199	888.543	763.923	2555.	1060	3.34
121	1209	888.954	763.923	2408.	1060	3.75
122	1219	889.355	763.923	2266.	1060	4.15
123	1229	889.755	763.923	2125.	1060	4.55
124	1239	890.153	763.923	1984.	1060	4.95
125	1249	890.551	763.923	1843.	1060	5.35
126	1259	890.949	763.923	1716.	1060	5.74
127	1269	891.344	763.923	1576.	1060	6.14
128	1279	891.740	763.923	1436.	1060	6.53
129	1289	892.135	763.926	1296.	1060	6.93
130	1299	892.497	763.924	1158.	1201	7.29



ATLA

DATE OF RUN 10/04/88 RUN - 24 PLOT- 7

## EAL260 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
140	1405	888.270	764.994	2759.	1060	.00
141	1409	888.443	764.994	2699.	1060	.17
142	1419	888.862	764.994	2554.	1060	.59
143	1429	889.264	764.994	2416.	1060	.99
144	1439	889.660	764.958	2278.	1000	1.39
145	1449	890.014	764.771	2140.	1000	1.79
146	1459	890.359	764.571	2002.	1000	2.19
147	1469	890.703	764.371	1865.	1000	2.59
148	1479	891.047	764.174	1727.	1000	2.99
149	1489	891.391	763.976	1589.	1000	3.39
150	1499	891.733	763.778	1451.	1000	3.78
151	1509	892.075	763.580	1314.	1000	4.18
152	1519	892.417	763.383	1176.	1000	4.57
153	1529	892.759	763.185	1110.	1000	4.97
154	1539	893.100	762.987	1050.	1000	5.36

## DAL688 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
140	1405	886.950	763.923	3116.	1060	.00
141	1409	887.148	763.923	3046.	1060	.20
142	1419	887.633	763.923	2974.	1060	.68
143	1429	888.095	763.923	2710.	1060	1.14
144	1439	888.534	763.923	2553.	1060	1.58
145	1449	888.950	763.923	2420.	1060	2.00
146	1459	889.352	763.923	2278.	1060	2.40
147	1469	889.752	763.923	2136.	1060	2.80
148	1479	890.137	763.821	2085.	1000	3.21
149	1489	890.428	763.530	2504.	1000	3.62
150	1499	890.541	763.107	3004.	1000	4.06
151	1509	890.540	762.630	3504.	1000	4.54
152	1519	890.540	762.116	3944.	1000	5.06
153	1529	890.470	761.566	4126.	1000	5.61
154	1539	890.135	761.104	4620.	1000	6.19
155	1549	889.583	760.841	4994.	1000	6.81

## EME3226 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
140	1405	885.237	763.431	3765.	1060	.00
141	1409	885.420	763.431	3707.	1060	.18
142	1419	885.876	763.431	3563.	1060	.64
143	1429	886.333	763.431	3419.	1060	1.10

03/15/89

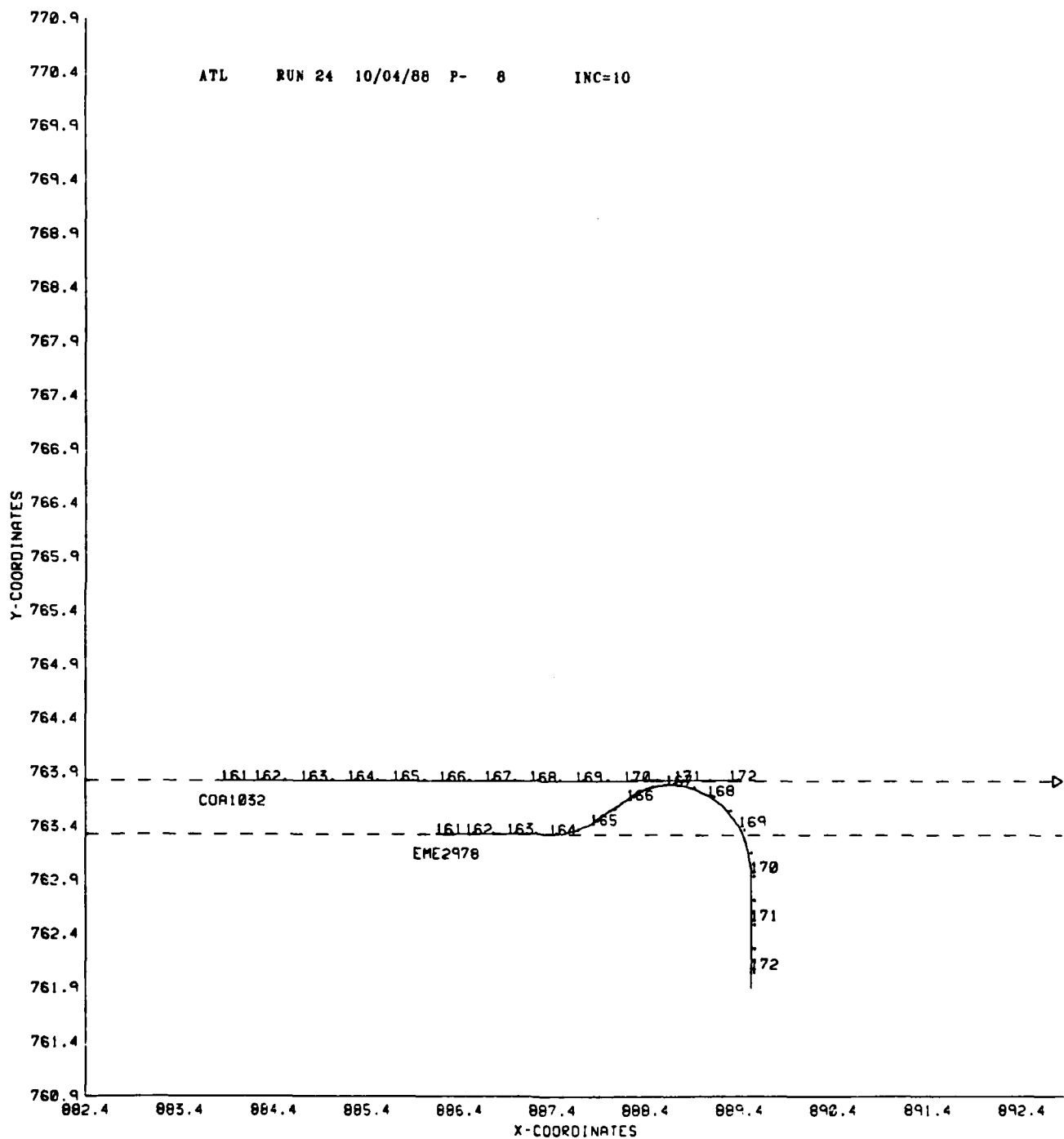
09:47:40

TASK # 3C0000A4

ALGEO

GOULD C.S.D. MPX-3

144	1439	886.787	763.431	3275.	1060	1.55
145	1449	887.241	763.431	3132.	1060	2.00
146	1459	887.690	763.390	2989.	1000	2.46
147	1469	888.065	763.146	2845.	1000	2.91
148	1479	888.268	762.749	2702.	1000	3.36
149	1489	888.286	762.300	2559.	1000	3.81
150	1499	888.286	761.851	2416.	1000	4.26
151	1509	888.286	761.447	2288.	1000	4.66



03/15/89

09:47:40

TASK # 3C0000A4

ALGEO

GCULD C.S.D. MPX-3

ATLA

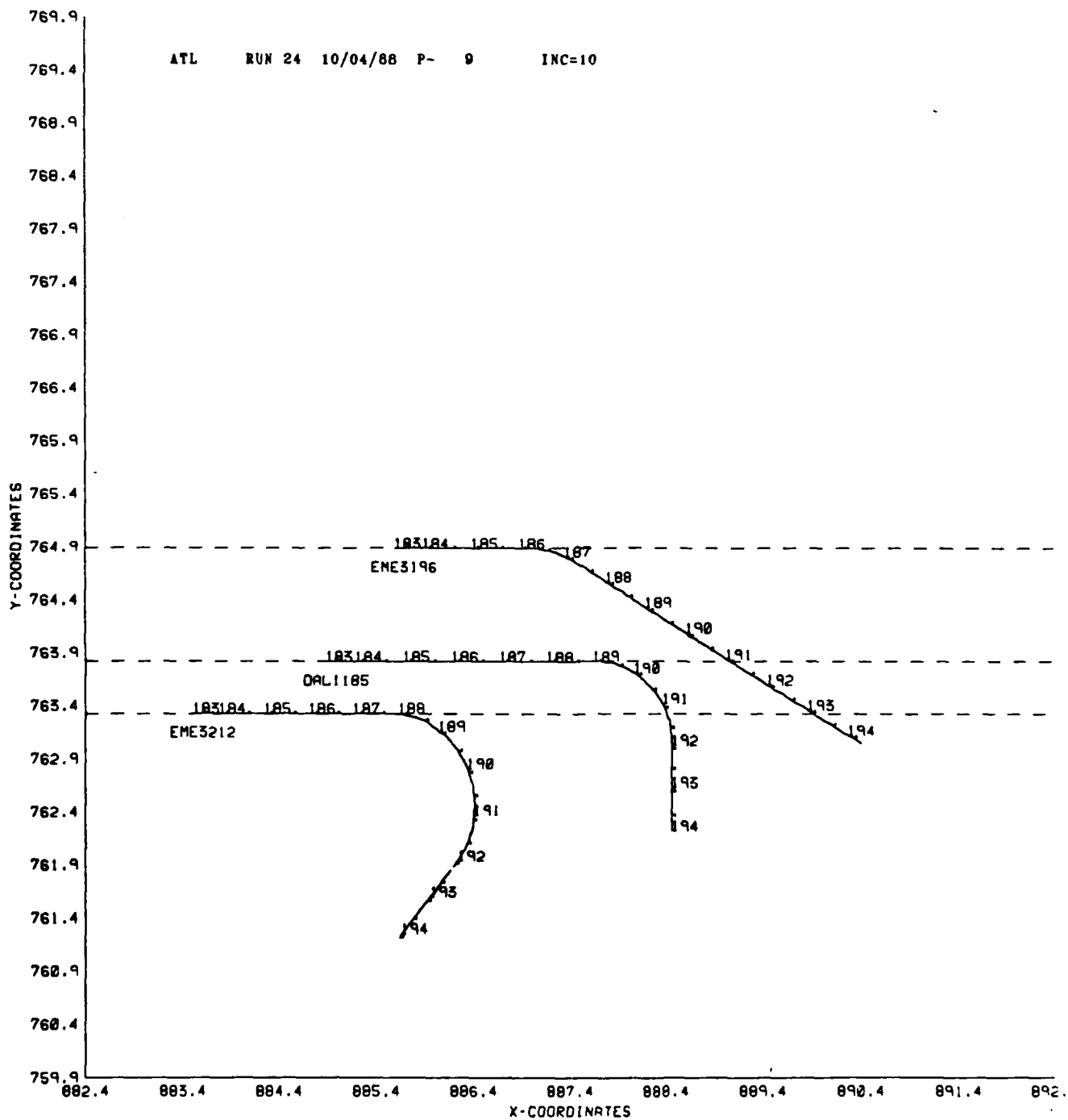
DATE OF RUN 10/04/88 RUN - 24 PLOT- 8

## EME2978 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
161	1612	886.241	763.431	3447.	1060	.00
162	1619	886.560	763.431	3347.	1060	.32
163	1629	887.014	763.431	3203.	1060	.77
164	1639	887.468	763.431	3060.	1060	1.23
165	1649	887.906	763.524	2917.	1000	1.68
166	1659	888.297	763.749	2774.	1000	2.13
167	1669	888.721	763.886	2631.	1000	2.58
168	1679	889.156	763.794	2488.	1000	3.03
169	1689	889.486	763.497	2345.	1000	3.48
170	1699	889.622	763.075	2202.	1000	3.93
171	1709	889.622	762.629	2059.	1000	4.37
172	1719	889.622	762.182	1916.	1000	4.82

## COA1032 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
161	1612	883.939	763.923	4186.	1060	.00
162	1619	884.290	763.923	4062.	1060	.35
163	1629	884.788	763.923	3886.	1060	.85
164	1639	885.286	763.923	3709.	1060	1.35
165	1649	885.782	763.923	3534.	1060	1.84
166	1659	886.278	763.923	3358.	1060	2.34
167	1669	886.772	763.923	3351.	1062	2.83
168	1679	887.258	763.923	3752.	1062	3.32
169	1689	887.752	763.923	4000.	1062	3.81
170	1699	888.272	763.925	4090.	1062	4.33
171	1709	888.812	763.927	4501.	1062	4.87
172	1719	889.387	763.929	4912.	1062	5.45



ATLANTA RUN 26 10/04/88 P- 11 INC=10

Y-COORDINATES

772.9

771.9

770.9

769.9

768.9

767.9

766.9

765.9

764.9

763.9

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761.9

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759.9

079.9 080.9 081.9 082.9 083.9 084.9 085.9 086.9 087.9 088.9 089.9 090.9 091.9 092.9 093.9

X-COORDINATES

DAL1024

EME3188

EAL678

13738 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155

13738 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155

152 151 150

088.9 089.9 090.9 091.9 092.9 093.9



03/23/89

12:31:16

TASK # 33000114

ALGEO

GOULD C.S.D. MPX-

10/0

DATE OF RUN 4/8826 RUN <sup>24</sup> 11 PLOT-

## ENE3188 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
137	1374	885.697	764.979	3741.	1060	.00
138	1379	885.972	764.980	3646.	1060	.27
139	1389	886.503	764.983	3463.	1060	.81
140	1399	887.025	764.985	3283.	1060	1.33
141	1409	887.545	764.955	3104.	1000	1.85
142	1419	888.042	764.804	2925.	1000	2.37
143	1429	888.530	764.629	2745.	1000	2.89
144	1439	889.016	764.453	2566.	1000	3.41
145	1449	889.502	764.277	2387.	1000	3.92
146	1459	889.985	764.104	2208.	1000	4.44
147	1469	890.469	763.931	2028.	1000	4.95
148	1479	890.949	763.757	1849.	1000	5.46
149	1489	891.430	763.584	1670.	1000	5.97
150	1499	891.908	763.411	1490.	1000	6.48
151	1509	892.386	763.239	1311.	1000	6.99
152	1519	892.863	763.068	1132.	1000	7.49
153	1529	893.341	762.897	1054.	1000	8.00
154	1539	893.819	762.727	1026.	1000	8.51
155	1549	894.298	762.556	1026.	1000	9.02

## EAL678 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
137	1374	884.522	763.933	3982.	1060	.00
138	1379	884.781	763.933	3891.	1060	.26
139	1389	885.296	763.931	3708.	1067	.77
140	1399	885.810	763.931	3526.	1060	1.29
141	1409	886.322	763.947	3345.	1067	1.80
142	1419	886.832	763.952	3163.	1060	2.31
143	1429	887.341	763.945	2983.	1060	2.82
144	1439	887.808	763.815	3075.	1000	3.31
145	1449	888.193	763.592	3655.	1000	3.76
146	1459	888.577	763.370	4010.	1000	4.20
147	1469	888.873	763.039	4000.	1000	4.65
148	1479	888.970	762.578	4000.	1000	5.12
149	1489	888.814	762.102	4000.	1000	5.63
150	1499	888.419	761.749	4000.	1000	6.17
151	1509	887.873	761.634	4036.	1000	6.73
152	1519	887.290	761.634	4418.	1000	7.31

## DAL1024 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
137	1374	882.540	765.010	4723.	1060	.00

03/23/89

12:31:16

TASK # 33000114

ALGEO

GOULD C.S.D. MPX-

138	1379	882.792	765.009	4637.	1060	.25
139	1389	883.315	765.007	4458.	1060	.77
140	1399	883.845	765.004	4275.	1060	1.30
141	1409	884.374	765.002	4094.	1060	1.83
142	1419	884.901	765.000	3912.	1060	2.36
143	1429	885.427	764.997	3731.	1067	2.89
144	1439	885.952	764.995	3551.	1060	3.41
145	1449	886.475	764.992	3371.	1060	3.93
146	1459	886.996	765.011	3191.	1067	4.46
147	1469	887.511	765.014	3013.	1060	4.97
148	1479	888.006	765.007	2859.	1060	5.47
149	1489	888.478	765.002	2696.	1060	5.94
150	1499	888.927	764.999	2541.	1060	6.39
151	1509	889.354	764.996	2393.	1060	6.82
152	1519	889.796	764.994	2242.	1060	7.26
153	1529	890.266	764.991	2082.	1060	7.73
154	1539	890.749	764.989	1915.	1060	8.21
155	1549	891.232	764.989	1749.	1060	8.69

ATLA

DATE OF RUN 10/04/88 RUN - 24 PLOT- 9

## EME3196 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
183	1833	885.687	764.994	3646.	1060	.00
184	1839	885.983	764.994	3544.	1060	.30
185	1849	886.475	764.994	3375.	1060	.79
186	1859	886.966	764.994	3206.	1060	1.28
187	1869	887.444	764.914	3037.	1000	1.77
188	1879	887.869	764.673	2869.	1000	2.26
189	1889	888.291	764.429	2701.	1000	2.74
190	1899	888.711	764.186	2532.	1000	3.23
191	1909	889.131	763.944	2364.	1000	3.71
192	1919	889.550	763.703	2195.	1000	4.20
193	1929	889.967	763.461	2027.	1000	4.68
194	1939	890.384	763.220	1859.	1000	5.16

## DAL1185 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
183	1833	884.988	763.923	3815.	1060	.00
184	1839	885.287	763.923	3709.	1060	.30
185	1849	885.782	763.923	3534.	1060	.79
186	1859	886.278	763.923	3358.	1060	1.29
187	1869	886.771	763.923	3183.	1060	1.78
188	1879	887.264	763.923	3009.	1060	2.28
189	1889	887.743	763.923	2963.	1062	2.75
190	1899	888.170	763.812	3348.	1000	3.20
191	1909	888.469	763.515	3765.	1000	3.63
192	1919	888.574	763.130	4187.	1000	4.03
193	1929	888.573	762.731	4783.	1000	4.43
194	1939	888.573	762.320	4977.	1000	4.84

## EME3212 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
183	1833	883.606	763.431	3994.	1060	.00
184	1839	883.884	763.431	3994.	1060	.28
185	1849	884.348	763.431	3994.	1060	.74
186	1859	884.810	763.431	3895.	1060	1.20
187	1869	885.271	763.431	3749.	1060	1.67
188	1879	885.731	763.427	3604.	1000	2.13
189	1889	886.155	763.265	3459.	1000	2.58
190	1899	886.440	762.913	3313.	1000	3.04
191	1909	886.510	762.466	3168.	1000	3.50
192	1919	886.349	762.045	3023.	1000	3.96
193	1929	886.057	761.695	2878.	1000	4.41

03/15/89

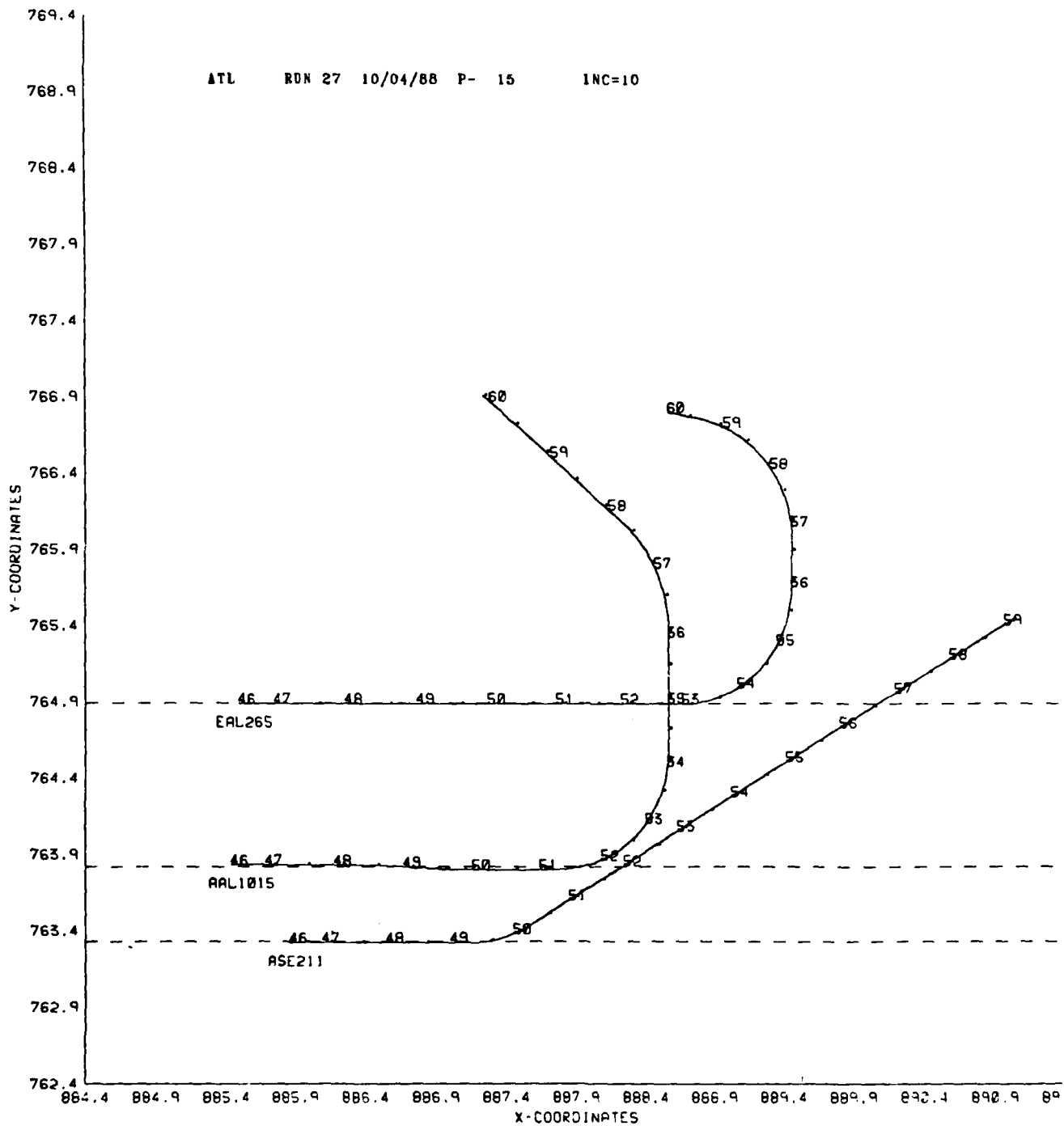
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TASK # 3C0C00A4

ALGEO

GCULD C.S.D. MPX-3

194 1939 885.765 761.348 2733. 1000 4.87



03/16/89 08:46:19 TASK # 38000036

ALGEO

GCULD C.S.D. MPX

ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 15

## ASE211 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
46	464	885.960	763.422	3531.	1060	.00
47	469	886.190	763.422	3459.	1060	.23
48	479	886.648	763.422	3314.	1060	.69
49	489	887.104	763.423	3170.	1060	1.14
50	499	887.553	763.480	3026.	1000	1.60
51	509	887.951	763.701	2882.	1000	2.06
52	519	888.344	763.928	2738.	1000	2.51
53	529	888.736	764.155	2594.	1000	2.96
54	539	889.126	764.382	2449.	1000	3.41
55	549	889.517	764.609	2305.	1000	3.87
56	559	889.906	764.836	2161.	1000	4.32
57	569	890.294	765.061	2017.	1000	4.76
58	579	890.682	765.285	1873.	1000	5.21
59	589	891.069	765.510	1729.	1000	5.66

## AAL1015 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
46	464	885.534	763.932	3621.	1060	.00
47	469	885.781	763.931	3533.	1060	.25
48	479	886.277	763.929	3358.	1060	.74
49	489	886.770	763.918	3183.	1067	1.24
50	499	887.262	763.899	3008.	1067	1.73
51	509	887.740	763.898	2841.	1062	2.21
52	519	888.183	763.962	3064.	1000	2.66
53	529	888.503	764.203	3681.	1000	3.06
54	539	888.660	764.577	3976.	1000	3.47
55	549	888.666	764.993	4126.	1000	3.89
56	559	888.666	765.426	4543.	1000	4.32
57	569	888.568	765.878	4941.	1000	4.79
58	579	888.282	766.258	5000.	1000	5.30
59	589	887.277	766.607	5000.	1000	5.84
60	599	887.378	766.974	5000.	1000	6.42

## EAL265 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
46	464	885.587	764.988	3682.	1060	.00
47	469	885.843	764.988	3594.	1060	.26
48	479	886.354	764.988	3418.	1060	.77
49	489	886.865	764.988	3243.	1060	1.28
50	499	887.371	764.988	3068.	1060	1.78
51	509	887.861	764.988	2899.	1067	2.27

03/16/89

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TASK # 380C0036

ALGEO

GCULD C.S.D. MPX-

52	519	888.327	764.988	2735.	1060	2.74
53	529	888.770	764.988	2581.	1060	3.18
54	539	889.172	765.094	2433.	1000	3.60
55	549	889.453	765.376	2285.	1000	4.01
56	559	889.554	765.757	2136.	1000	4.41
57	569	889.550	766.156	1994.	1000	4.80
58	579	889.403	766.537	2223.	1000	5.22
59	589	889.063	766.806	2640.	1000	5.65
60	599	888.660	766.903	3015.	1000	6.07

## DAL9932 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
46	464	881.522	763.936	5042.	1060	.00
47	469	881.775	763.936	4952.	1060	.25
48	479	882.291	763.935	4770.	1060	.77
49	489	882.824	763.934	4582.	1060	1.30
50	499	883.357	763.934	4393.	1067	1.83
51	509	883.887	763.933	4205.	1060	2.37
52	519	884.417	763.932	4018.	1060	2.89
53	529	884.944	763.930	3831.	1060	3.42
54	539	885.470	763.929	3644.	1060	3.95
55	549	885.995	763.920	3458.	1067	4.47
56	559	886.518	763.919	3273.	1060	5.00
57	569	887.041	763.922	3088.	1067	5.52
58	579	887.555	763.923	2905.	1060	6.03
59	589	888.047	763.923	2729.	1067	6.53
60	599	888.517	763.923	2575.	1060	7.00
61	609	888.964	763.923	2416.	1067	7.44
62	619	889.389	763.923	2261.	1060	7.87
63	629	889.792	763.923	2117.	1067	8.27
64	639	890.190	763.923	1975.	1060	8.67

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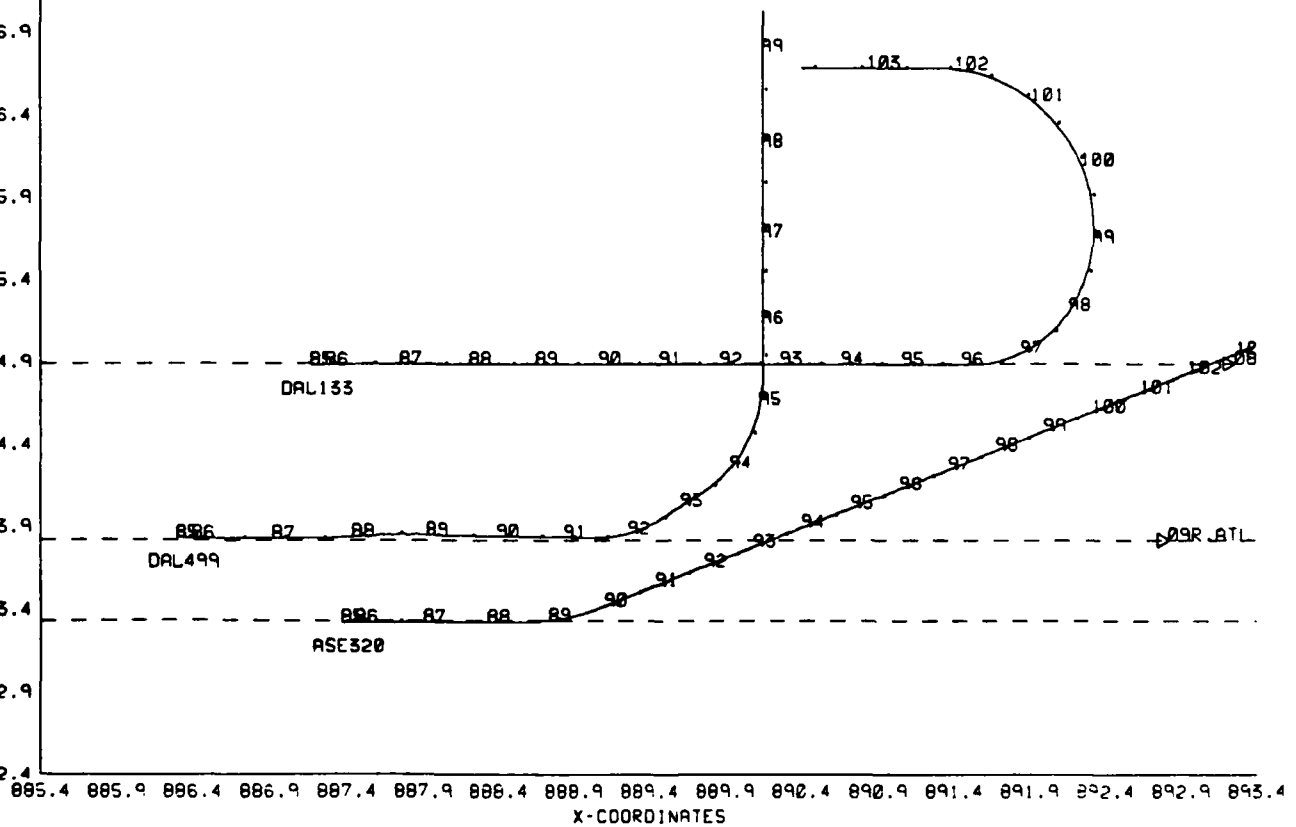
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ATL RUN 27 10/04/88 P- 16 INC=10





ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 16

## ASE320 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
35	857	387.469	763.423	3054.	1067	.00
86	859	387.561	763.423	3026.	1067	.09
87	869	388.010	763.423	2883.	1060	.54
88	879	388.437	763.423	2747.	1060	.97
89	889	388.841	763.431	2619.	1000	1.37
90	899	389.212	763.521	2492.	1000	1.75
91	909	389.550	763.645	2365.	1000	2.11
92	919	389.873	763.763	2239.	1000	2.46
93	929	390.195	763.880	2112.	1000	2.80
94	939	390.515	763.997	1985.	1000	3.14
95	949	390.834	764.114	1858.	1000	3.48
96	959	391.154	764.231	1732.	1000	3.82
97	969	391.474	764.349	1605.	1000	4.16
98	979	391.792	764.466	1478.	1000	4.50
99	989	392.109	764.583	1351.	1000	4.84
100	999	392.426	764.700	1225.	1000	5.18
101	1009	392.744	764.817	1098.	1000	5.52
102	1019	393.061	764.935	1029.	1000	5.85
103	1029	393.378	765.052	1026.	1000	6.19

## DAL133 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	857	387.269	764.983	3103.	1067	.00
86	859	387.369	764.984	3068.	1060	.10
87	869	387.854	764.986	2901.	1060	.58
88	879	388.316	764.988	2741.	1060	1.05
89	889	388.755	764.988	2589.	1060	1.49
90	899	389.172	764.988	2445.	1067	1.90
91	909	389.573	764.988	2318.	1060	2.30
92	919	389.953	764.988	2181.	1067	2.70
93	929	390.323	764.988	2043.	1060	3.10
94	939	390.721	764.988	1906.	1067	3.50
95	949	391.168	764.988	1769.	1060	3.90
96	959	391.565	764.988	1633.	1060	4.30
97	969	391.959	765.055	1664.	1000	4.70
98	979	392.277	765.316	2136.	1000	5.12
99	989	392.433	765.729	2636.	1000	5.56
100	999	392.355	766.197	3136.	1000	6.04
101	1009	392.032	766.591	3636.	1000	6.56
102	1019	391.525	766.782	4136.	1000	7.11
103	1029	390.942	766.787	4636.	1000	7.69

## DAL499 ACTUAL FLIGHT:

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08:46:19

TASK # 38000036

ALGEO

GOULD C.S.D. MPX-

INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	857	886.401	763.933	3315.	1060	.00
86	859	886.505	763.932	3278.	1060	.10
87	869	887.026	763.930	3094.	1060	.63
88	879	887.539	763.940	2911.	1067	1.14
89	889	888.030	763.951	2733.	1060	1.63
90	899	888.498	763.943	2566.	1060	2.10
91	909	888.944	763.937	2423.	1060	2.54
92	919	889.366	763.959	2332.	1000	2.97
93	929	889.716	764.128	2745.	1000	3.36
94	939	890.036	764.356	3370.	1000	3.75
95	949	890.230	764.744	3905.	1000	4.19
96	959	890.249	765.238	4000.	1000	4.69
97	969	890.249	765.763	4018.	1000	5.21
98	979	890.249	766.310	4376.	1000	5.76
99	989	890.249	766.888	4793.	1000	6.34

## ASE86 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	857	884.380	763.421	3994.	1067	.00
86	859	884.480	763.421	3994.	1067	.10
87	869	884.979	763.421	3888.	1060	.60
88	879	885.475	763.422	3731.	1067	1.10
89	889	885.970	763.422	3574.	1060	1.59
90	899	886.465	763.422	3418.	1060	2.09
91	909	886.958	763.423	3262.	1060	2.58
92	919	887.450	763.423	3107.	1067	3.07
93	929	887.937	763.424	2952.	1060	3.56
94	939	888.405	763.413	2803.	1067	4.03
95	949	888.849	763.406	2660.	1060	4.47
96	959	889.271	763.412	2526.	1067	4.89
97	969	889.671	763.417	2395.	1060	5.29
98	979	890.048	763.419	2275.	1067	5.67
99	989	890.404	763.422	2159.	1060	6.03
100	999	890.746	763.424	2051.	1060	6.37
101	1009	891.088	763.425	1943.	1060	6.71
102	1019	891.430	763.425	1835.	1067	7.05
103	1029	891.771	763.425	1728.	1060	7.39

## DAL616 ACTUAL FLIGHT:

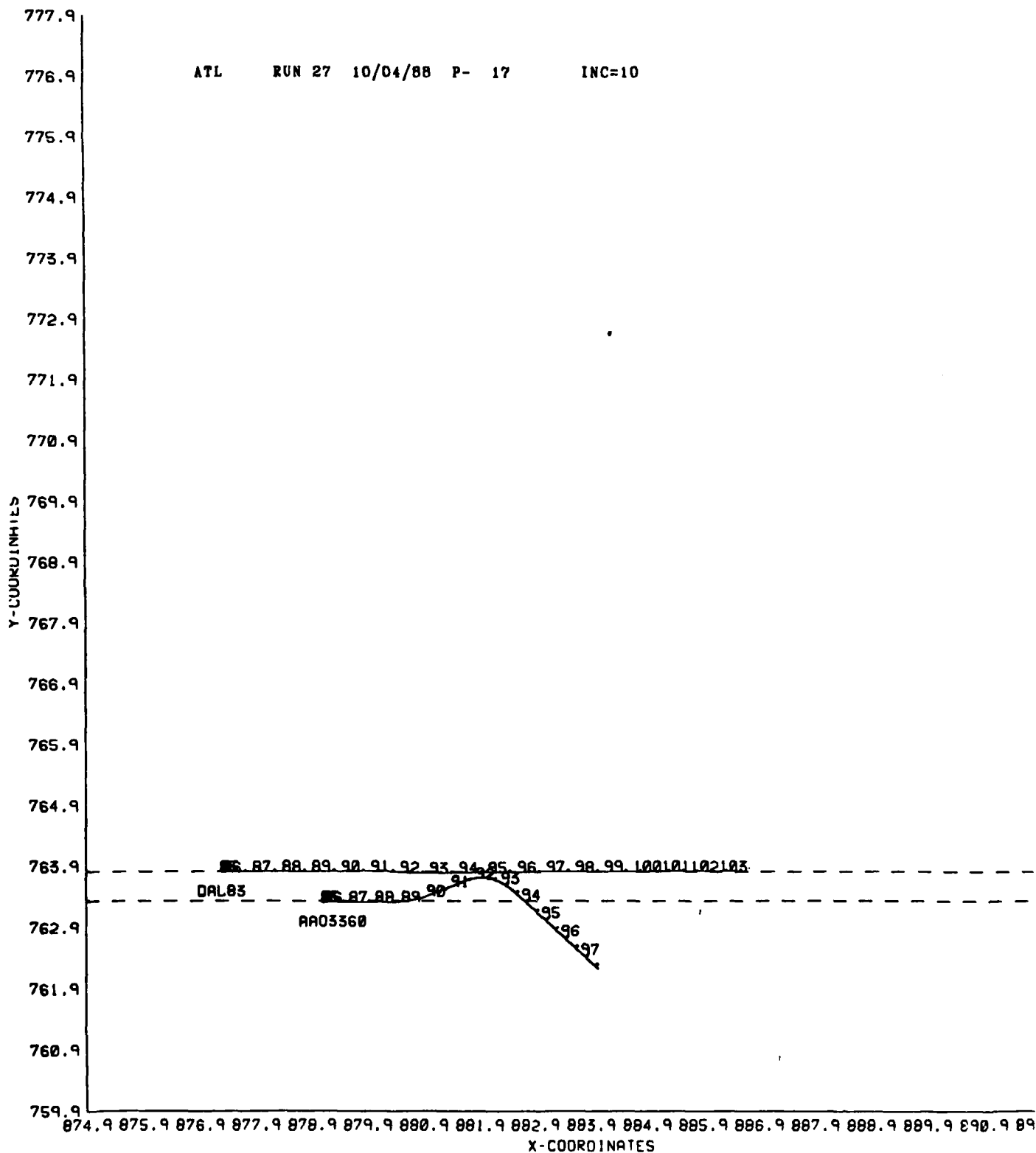
INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	857	884.251	763.931	5000.	1067	.00
86	859	884.364	763.929	5000.	1067	.11
87	869	884.945	763.923	5000.	1062	.69
88	879	885.543	763.829	5000.	1000	1.30
89	889	886.053	763.453	5000.	1000	1.94
90	899	886.355	762.861	5000.	1000	2.61
91	909	886.402	762.165	5000.	1000	3.31
92	919	886.402	761.436	5000.	1000	4.04

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ALGEO

GOULD C.S.D. MPX

93	929	886.379	760.692	5000.	1000	4.79
94	939	886.113	760.001	5000.	1000	5.53



ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 17

## AA03360 ACTUAL FLIGHT:

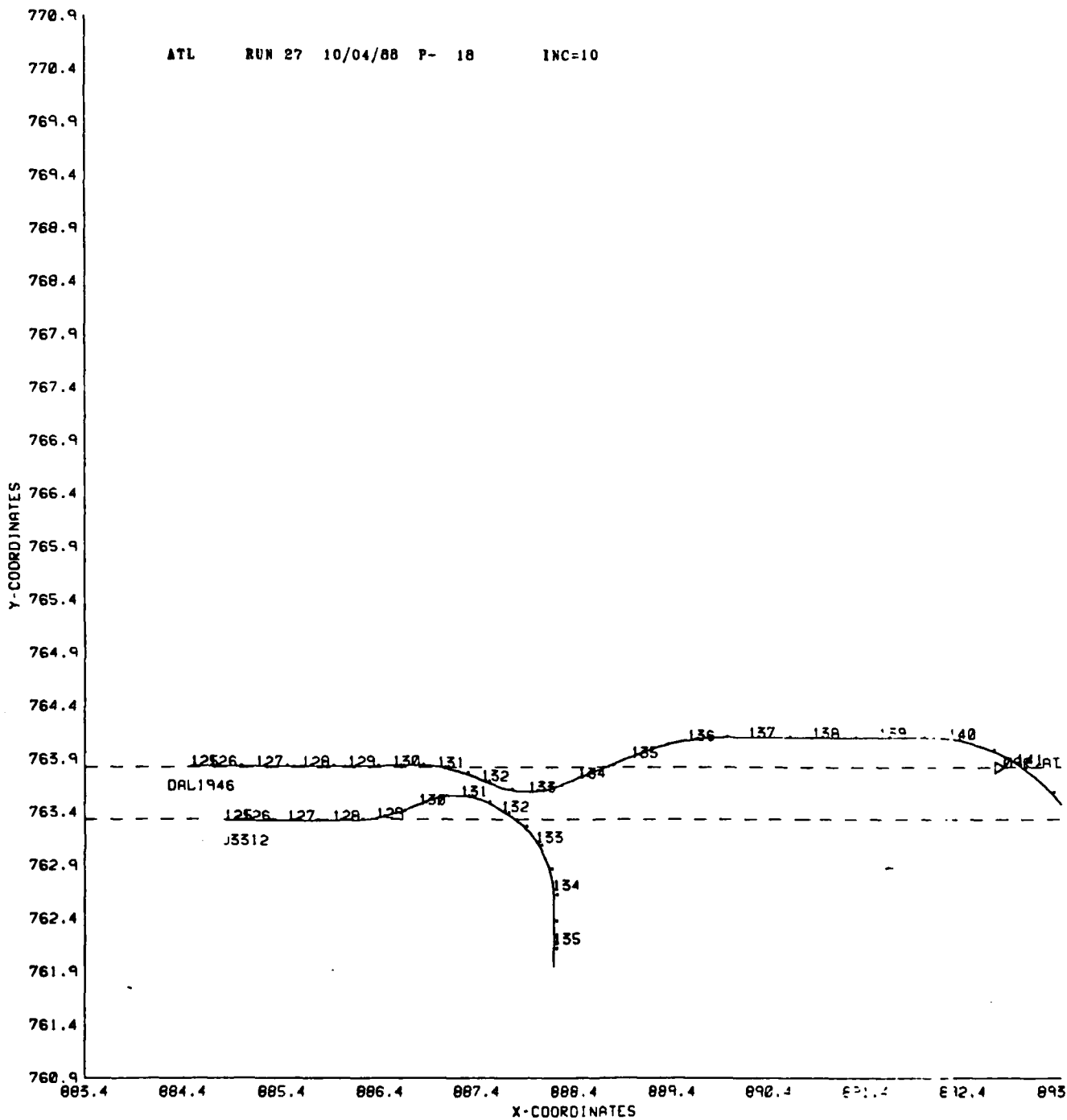
INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	853	879.199	763.417	3994.	1060	.00
36	859	879.245	763.417	3994.	1067	.05
87	869	879.709	763.417	3994.	1060	.51
88	879	880.173	763.417	3994.	1060	.97
89	889	880.636	763.423	3994.	1000	1.44
90	899	881.089	763.521	3994.	1000	1.90
91	909	881.523	763.680	3994.	1000	2.36
92	919	881.966	763.811	3994.	1000	2.83
93	929	882.417	763.732	3994.	1000	3.29
94	939	882.789	763.459	3994.	1000	3.75
95	949	883.143	763.161	3994.	1000	4.22
96	959	883.497	762.863	3994.	1000	4.68
97	969	883.851	762.565	3994.	1000	5.14

## ASE190 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	858	878.309	764.994	4994.	1060	.00
86	859	878.358	764.994	4994.	1060	.05
87	869	878.844	764.994	4994.	1060	.53
88	879	879.329	764.978	4994.	1067	1.02
89	889	879.815	764.970	4994.	1060	1.51
90	899	880.301	764.972	4994.	1060	1.99
91	909	880.787	764.975	4994.	1067	2.48
92	919	881.273	764.977	4994.	1060	2.96
93	929	881.759	764.979	4994.	1060	3.45
94	939	882.242	764.982	4832.	1067	3.93
95	949	882.724	764.984	4666.	1060	4.42
96	959	883.205	764.987	4501.	1060	4.90
97	969	883.688	764.976	4336.	1067	5.38
98	979	884.173	764.963	4171.	1060	5.86
99	989	884.651	764.968	4007.	1060	6.33
100	999	885.117	764.973	3843.	1060	6.81
101	1009	885.592	764.978	3680.	1060	7.28
102	1019	886.066	764.980	3517.	1060	7.76
103	1029	886.539	764.982	3354.	1060	8.23

## DAL83 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
85	858	877.387	763.912	5994.	1060	.00
86	859	877.440	763.913	5994.	1060	.05
87	869	877.972	763.915	5994.	1060	.59



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ALGEO

GCULD C.S.D. MPX

ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 18

## AA03312 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
125	1255	884.926	763.422	3867.	1060	.00
126	1259	885.108	763.422	3809.	1060	.18
127	1269	885.562	763.422	3666.	1060	.64
128	1279	886.017	763.422	3522.	1060	1.09
129	1289	886.469	763.443	3379.	1000	1.54
130	1299	886.902	763.569	3236.	1000	2.00
131	1309	887.341	763.652	3093.	1000	2.45
132	1319	887.763	763.509	2950.	1000	2.90
133	1329	888.114	763.219	2926.	1000	3.36
134	1339	888.286	762.767	2986.	1000	3.85
135	1349	888.290	762.262	3000.	1000	4.35

## DAL1946 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
125	1255	884.588	763.933	3951.	1060	.00
126	1259	884.775	763.933	3885.	1060	.19
127	1269	885.242	763.933	3720.	1060	.65
128	1279	885.709	763.932	3554.	1060	1.12
129	1289	886.174	763.932	3390.	1060	1.59
130	1299	886.638	763.937	3225.	1067	2.05
131	1309	887.100	763.924	3061.	1000	2.51
132	1319	887.557	763.799	3167.	1000	2.99
133	1329	888.037	763.691	3584.	1000	3.48
134	1339	888.548	763.821	3965.	1000	4.01
135	1349	889.085	764.017	4000.	1000	4.59
136	1359	889.664	764.176	4000.	1000	5.19
137	1369	890.294	764.203	4000.	1000	5.82
138	1379	890.854	764.203	4000.	1000	6.48
139	1389	891.454	764.203	4000.	1000	7.17
140	1399	892.082	764.191	4000.	1000	7.89
141	1409	893.851	763.952	4000.	1000	8.62
142	1419	893.586	763.456	4000.	1000	9.36

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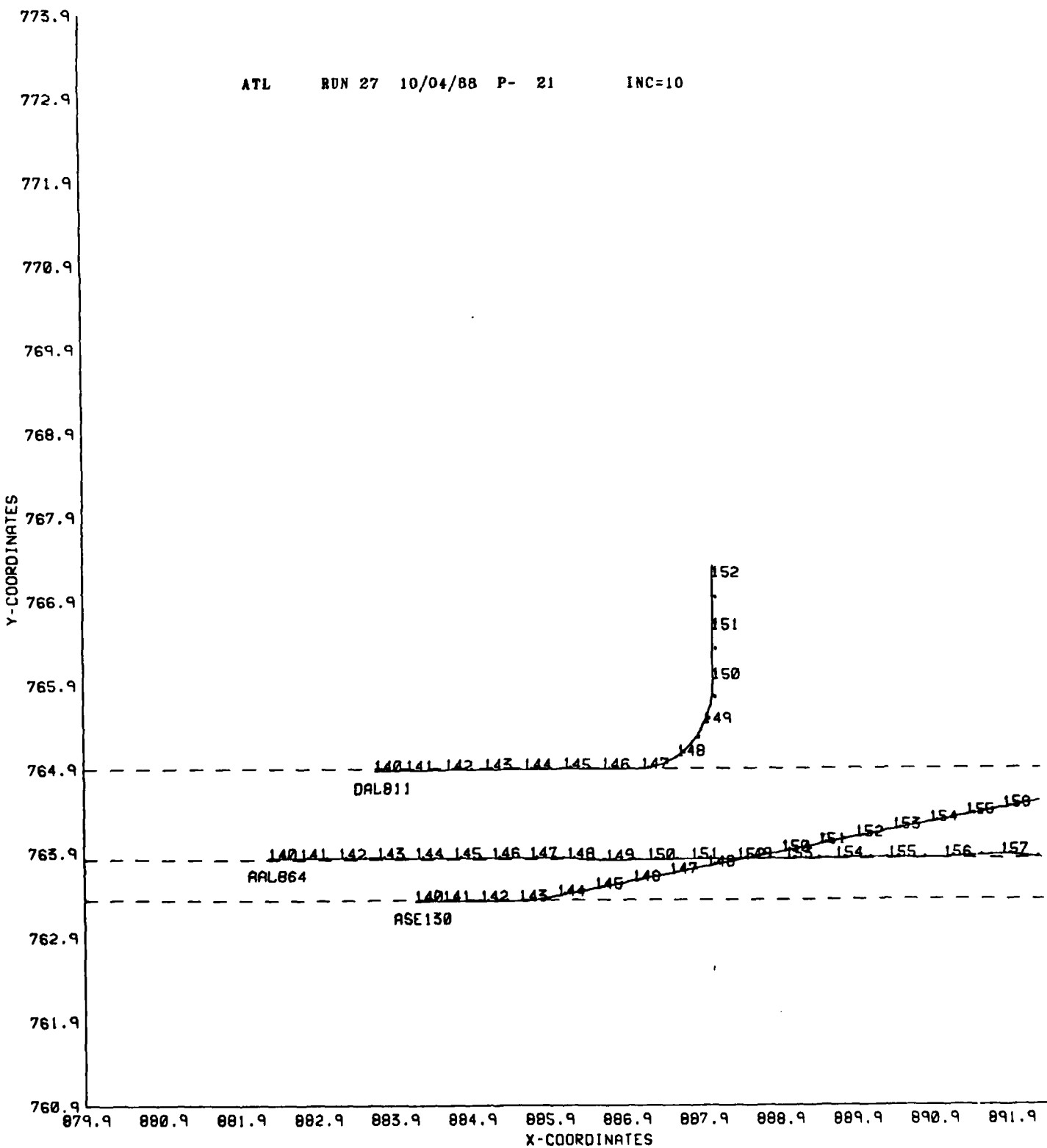
TASK # 38000036

ALGEO

GCULD C.S.D. MPX-

88	879	878.504	763.917	5994.	1060	1.12
89	889	879.036	763.920	5908.	1060	1.65
90	899	879.565	763.922	5720.	1060	2.18
91	909	880.092	763.923	5508.	1062	2.70
92	919	880.615	763.908	5258.	1067	3.23
93	929	881.137	763.897	5014.	1062	3.75
94	939	881.662	763.902	5000.	1062	4.28
95	949	882.187	763.907	5000.	1062	4.80
96	959	882.712	763.911	5000.	1062	5.33
97	969	883.234	763.914	4857.	1067	5.85
98	979	883.752	763.916	4580.	1060	6.37
99	989	884.267	763.919	4304.	1067	6.88
100	999	884.781	763.921	4063.	1060	7.40
101	1009	885.296	763.923	3880.	1060	7.91
102	1019	885.810	763.923	3698.	1060	8.42
103	1029	886.323	763.923	3517.	1060	8.94





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ALGEO

GCULD C.S.D. MPX

ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 21

## ASE130 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
140	1401	884.275	763.420	3994.	1067	.00
141	1409	884.643	763.421	3953.	1060	.37
142	1419	885.130	763.422	3800.	1060	.85
143	1429	885.629	763.422	3642.	1060	1.35
144	1439	886.123	763.481	3435.	1000	1.85
145	1449	886.612	763.569	3327.	1000	2.35
146	1459	887.100	763.656	3170.	1000	2.95
147	1469	887.587	763.744	3012.	1000	3.34
148	1479	888.073	763.832	2855.	1000	3.83
149	1489	888.557	763.919	2697.	1000	4.33
150	1499	889.041	764.004	2540.	1000	4.82
151	1509	889.523	764.090	2382.	1000	5.31
152	1519	890.004	764.175	2225.	1000	5.80
153	1529	890.485	764.260	2068.	1000	6.28
154	1539	890.964	764.346	1910.	1000	6.77
155	1549	891.442	764.431	1753.	1000	7.26
156	1559	891.918	764.517	1595.	1000	7.74
157	1569	892.395	764.602	1438.	1000	8.22
158	1579	892.822	764.679	1296.	1000	8.66

## DAL811 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
140	1401	883.758	764.968	4468.	1067	.00
141	1409	884.168	764.971	4327.	1060	.41
142	1419	884.679	764.976	4151.	1060	.92
143	1429	885.190	764.979	3976.	1060	1.43
144	1439	885.698	764.981	3801.	1060	1.94
145	1449	886.206	764.984	3626.	1060	2.45
146	1459	886.711	764.986	3452.	1060	2.95
147	1469	887.217	764.988	3279.	1060	3.46
148	1479	887.692	765.144	3141.	1000	3.96
149	1489	888.037	765.528	3462.	1000	4.49
150	1499	888.146	766.060	3926.	1000	5.04
151	1509	888.146	766.654	4000.	1000	5.63
152	1519	888.146	767.279	4000.	1000	6.25

## AAL864 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
140	1401	882.382	763.935	4738.	1060	.00
141	1409	882.785	763.935	4595.	1067	.40
142	1419	883.288	763.935	4417.	1060	.91

03/16/89

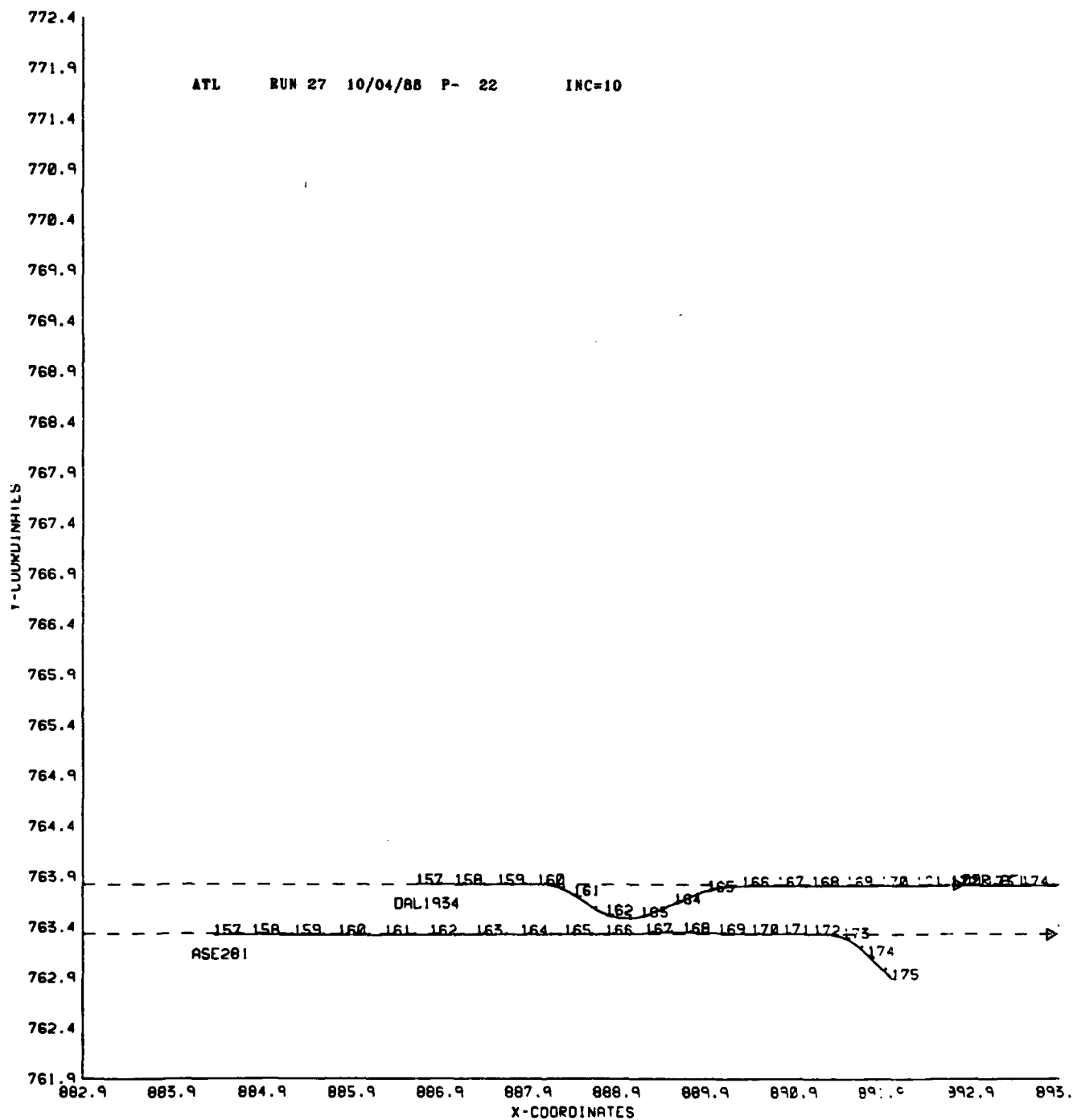
08:46:19

TASK # 38000036

ALGEO

GOULD C.S.D. MPX-

143	1429	883.789	763.934	4239.	1060	1.41
144	1439	884.290	763.933	4062.	1060	1.91
145	1449	884.788	763.933	3885.	1067	2.41
146	1459	885.287	763.931	3877.	1062	2.91
147	1469	885.767	763.931	4399.	1062	3.39
148	1479	886.250	763.927	4934.	1067	3.87
149	1489	886.761	763.903	5000.	1062	4.38
150	1499	887.298	763.911	5000.	1067	4.92
151	1509	887.365	763.917	5000.	1062	5.48
152	1519	888.462	763.920	5000.	1067	6.08
153	1529	889.089	763.924	5000.	1062	6.71
154	1539	889.745	763.927	5000.	1062	7.36
155	1549	890.431	763.927	5000.	1062	8.05
156	1559	891.146	763.924	5000.	1067	8.77
157	1569	891.887	763.962	5000.	1062	9.51
158	1579	892.631	763.924	5000.	1000	10.25



03/16/89

08:46:19

TASK # 38000036

ALGEO

GCULD C.S.D. MPX-3

ATL

DATE OF RUN 10/04/88 RUN - 27

PLOT- 22

## DAL1934 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
157	1570	886.732	763.926	3197.	1060	.00
158	1579	887.174	763.924	3041.	1060	.44
159	1589	887.653	763.924	2870.	1060	.92
160	1599	888.110	763.924	2708.	1060	1.38
161	1609	888.524	763.816	2551.	1000	1.81
162	1619	888.887	763.624	2394.	1000	2.22
163	1629	889.282	763.604	2236.	1000	2.62
164	1639	889.658	763.734	2079.	1000	3.02
165	1649	890.034	763.864	1922.	1000	3.42
166	1659	890.427	763.908	1765.	1000	3.82
167	1669	890.825	763.908	1608.	1000	4.21
168	1679	891.218	763.908	1450.	1000	4.61
169	1689	891.612	763.908	1293.	1000	5.00
170	1699	892.006	763.908	1134.	1000	5.39
171	1709	892.401	763.908	1094.	1000	5.79
172	1719	892.797	763.908	1034.	1000	6.19
173	1729	893.192	763.908	1026.	1000	6.58
174	1739	893.588	763.908	1026.	1000	6.98
175	1749	893.983	763.908	1026.	1000	7.37

## ASE281 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
157	1570	884.470	763.421	3994.	1060	.00
158	1579	884.888	763.421	3879.	1060	.42
159	1589	885.357	763.422	3732.	1060	.89
160	1599	885.855	763.422	3576.	1060	1.38
161	1609	886.374	763.423	3412.	1060	1.90
162	1619	886.892	763.423	3248.	1060	2.42
163	1629	887.409	763.425	3085.	1060	2.94
164	1639	887.921	763.426	2923.	1060	3.45
165	1649	888.413	763.426	2767.	1060	3.94
166	1659	888.883	763.426	2618.	1060	4.41
167	1669	889.329	763.439	2475.	1067	4.86
168	1679	889.753	763.448	2338.	1060	5.28
169	1689	890.155	763.441	2210.	1060	5.69
170	1699	890.535	763.436	2089.	1067	6.07
171	1709	890.893	763.433	1934.	1060	6.42
172	1719	891.235	763.430	1876.	1060	6.77
173	1729	891.575	763.398	1788.	1000	7.11
174	1739	891.859	763.218	1661.	1000	7.45
175	1749	892.130	762.990	1553.	1000	7.80



03/16/89

08:46:19

TASK # 380C0J36

ALGEO

GCULD C.S.D. MPX-3

ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 23

## DAL948 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
174	1739	885.582	763.904	3611.	1060	.00
175	1749	886.135	763.910	3416.	1060	.55
176	1759	886.686	763.915	3220.	1060	1.10
177	1769	887.235	763.916	3026.	1000	1.65
178	1779	887.772	763.820	2832.	1000	2.20
179	1789	888.288	763.637	2637.	1000	2.75
180	1799	888.808	763.474	2479.	1000	3.29
181	1809	889.363	763.547	2762.	1000	3.86
182	1819	889.918	763.750	3179.	1000	4.45
183	1829	890.484	763.955	3595.	1000	5.05
184	1839	891.059	764.146	3976.	1000	5.66
185	1849	891.678	764.209	4000.	1000	6.28
186	1859	892.330	764.208	4000.	1000	6.93
187	1869	893.010	764.208	4000.	1000	7.61
188	1879	893.720	764.208	4000.	1000	8.32
189	1889	894.453	764.208	4000.	1000	9.06

## ASE28 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
174	1739	883.465	763.000	4412.	1067	.00
175	1749	883.936	764.999	4250.	1060	.47
176	1759	884.406	764.998	4088.	1060	.94
177	1769	884.875	764.998	3927.	1060	1.41
178	1779	885.342	764.997	3766.	1060	1.88
179	1789	885.808	764.997	3606.	1060	2.34
180	1799	886.274	764.996	3446.	1060	2.81
181	1809	886.738	764.996	3286.	1060	3.27
182	1819	887.202	764.996	3127.	1060	3.74
183	1829	887.652	765.010	2970.	1067	4.19
184	1839	888.079	765.014	2820.	1060	4.61
185	1849	888.484	765.008	2680.	1060	5.02
186	1859	888.867	765.003	2560.	1060	5.40
187	1869	889.228	765.000	2436.	1060	5.76
188	1879	889.573	764.998	2317.	1060	6.11
189	1889	889.916	764.995	2199.	1060	6.45
190	1899	890.257	764.993	2031.	1060	6.79
191	1909	890.599	764.992	1964.	1060	7.13

## COA1148 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
174	1739	882.875	763.935	4635.	1060	.00

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08:46:19

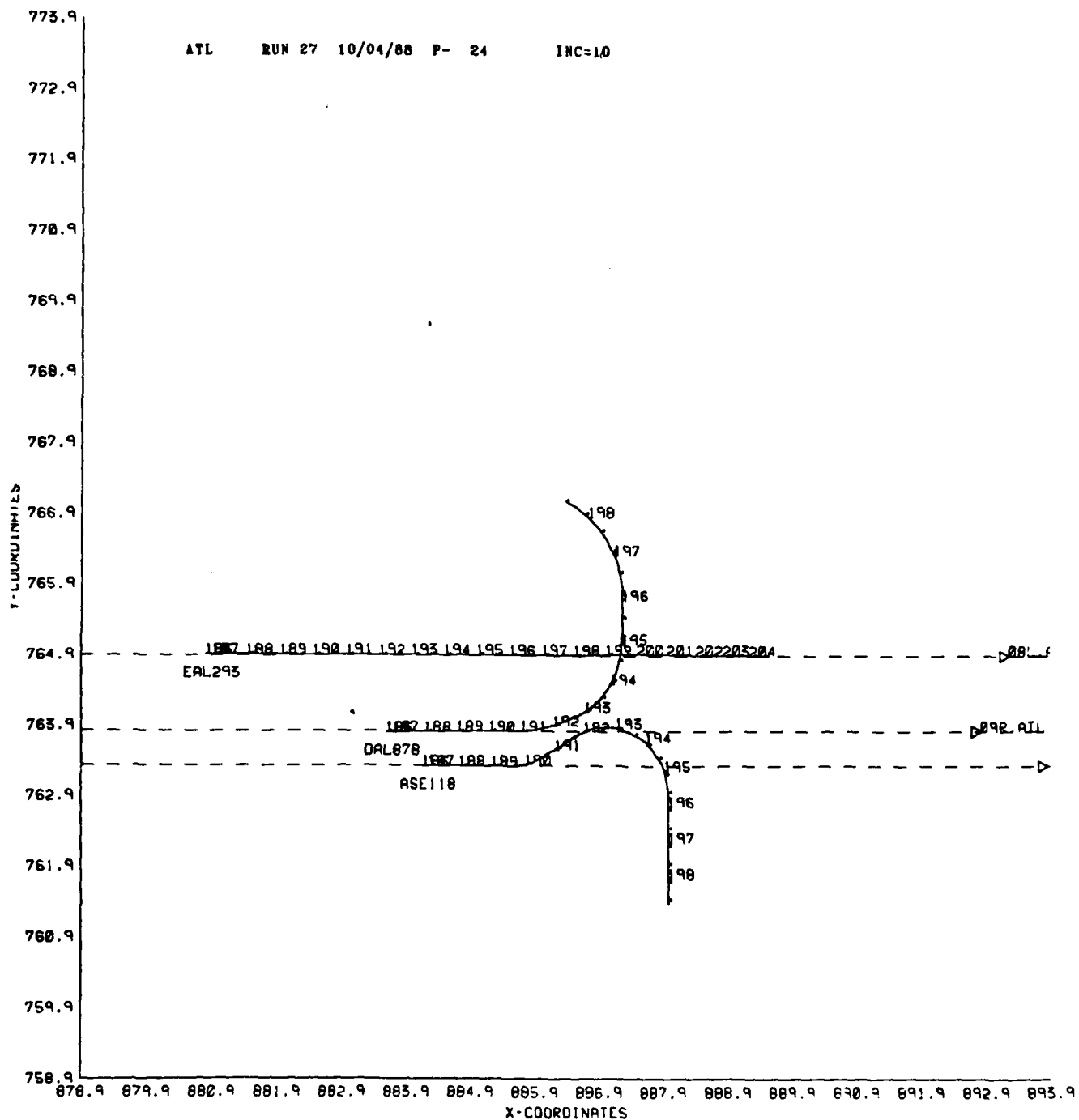
TASK # 3800036

ALGEO

GCULD C.S.O. MPX-3.

175	1749	883.349	763.935	4468.	1060	.47
176	1759	883.821	763.934	4301.	1060	.94
177	1769	884.291	763.932	4135.	1000	1.41
178	1779	884.751	763.845	3968.	1000	1.89
179	1789	885.201	763.727	3802.	1000	2.35
180	1799	885.653	763.823	3635.	1000	2.82
181	1809	886.093	763.973	3469.	1000	3.28
182	1819	886.553	764.013	3298.	1067	3.75
183	1829	887.016	763.996	3133.	1060	4.21
184	1839	887.469	763.977	2884.	1062	4.66
185	1849	887.902	763.963	2701.	1067	5.10
186	1859	888.318	763.951	2700.	1067	5.51
187	1869	888.723	763.942	2700.	1067	5.92
188	1879	889.130	763.938	2760.	1101	6.33
189	1889	889.549	763.938	3159.	1101	6.74
190	1899	890.000	763.938	3576.	1101	7.20
191	1909	890.486	763.938	3957.	1101	7.68





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ALGEO

GCULD C.S.D. MPX-

ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 24

## ASE116 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
186	1867	884.255	763.421	3994.	1060	.00
187	1869	884.348	763.421	3994.	1060	.09
188	1879	884.821	763.422	3994.	1067	.57
189	1889	885.326	763.422	3871.	1067	1.07
190	1899	885.844	763.443	3709.	1000	1.59
191	1909	886.311	763.659	3546.	1000	2.11
192	1919	886.762	763.908	3382.	1000	2.62
193	1929	887.267	763.963	3166.	1000	3.14
194	1939	887.725	763.760	2833.	1000	3.64
195	1949	888.019	763.356	2517.	1000	4.15
196	1959	888.084	762.854	2500.	1000	4.66
197	1969	888.084	762.343	2500.	1000	5.17
198	1979	888.084	761.833	2500.	1000	5.68

## DAL878 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
186	1867	883.689	763.903	4274.	1060	.00
187	1869	883.789	763.904	4239.	1060	.10
188	1879	884.289	763.909	4062.	1060	.60
189	1889	884.788	763.913	3885.	1060	1.10
190	1899	885.286	763.916	3709.	1060	1.60
191	1909	885.782	763.918	3533.	1060	2.09
192	1919	886.284	764.001	3688.	1000	2.60
193	1929	886.784	764.193	4054.	1000	3.14
194	1939	887.187	764.583	4471.	1000	3.71
195	1949	887.358	765.153	4887.	1000	4.31
196	1959	887.358	765.779	5000.	1000	4.93
197	1969	887.237	766.414	5000.	1000	5.59
198	1979	886.838	766.955	5000.	1000	6.27

## EAL293 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
186	1867	880.909	765.001	4994.	1060	.00
187	1869	881.012	765.001	4994.	1060	.10
188	1879	881.530	765.001	4994.	1060	.62
189	1889	882.045	765.000	4894.	1060	1.14
190	1899	882.558	765.000	4717.	1060	1.65
191	1909	883.070	764.999	4541.	1060	2.16
192	1919	883.580	764.999	4366.	1060	2.67
193	1929	884.088	764.998	4191.	1060	3.18
194	1939	884.596	764.998	4016.	1060	3.69

03/16/89

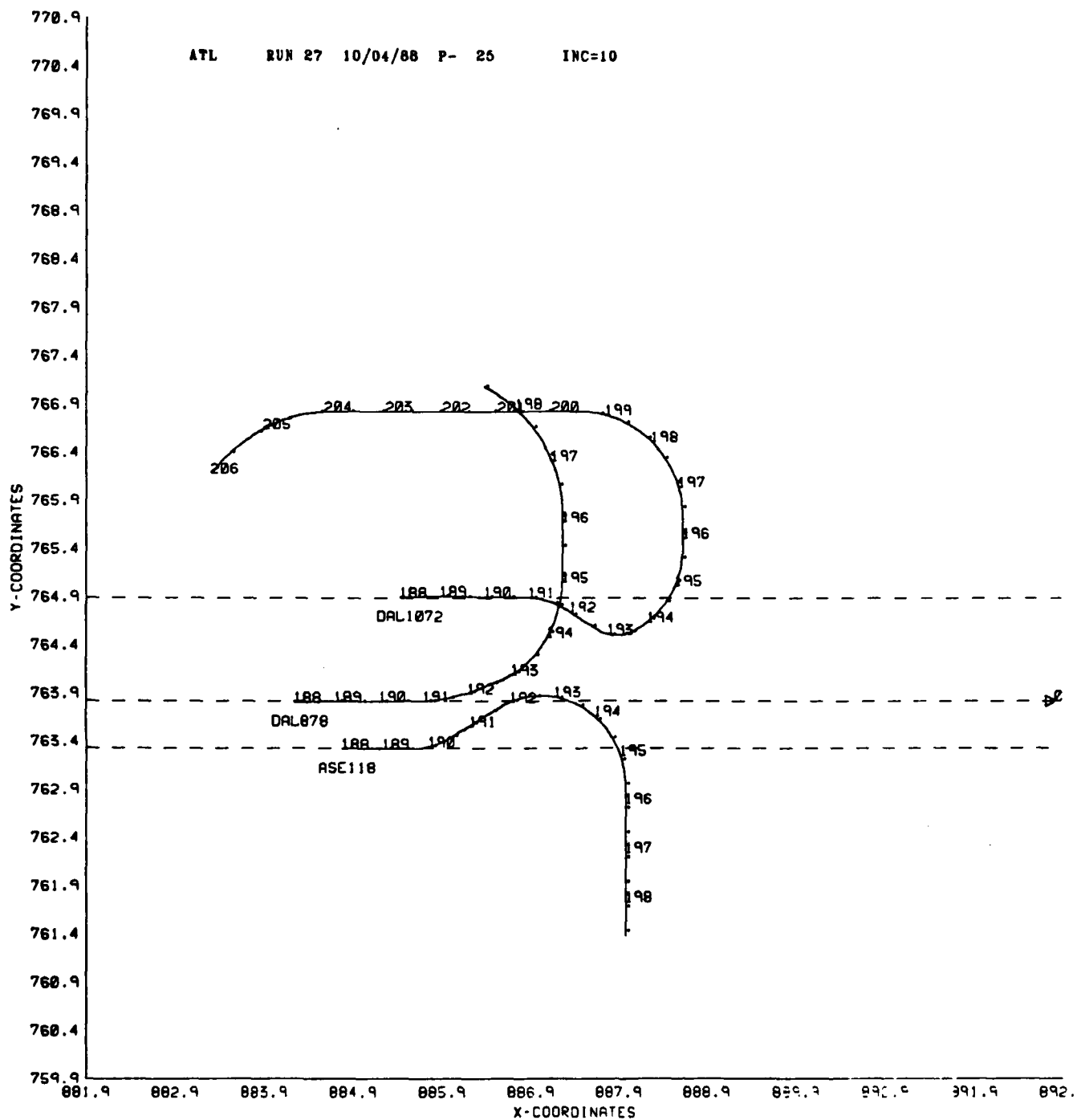
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TASK # 1FOC016C

ALGED

GOULD C.S.D. MPX-

195	1949	885.102	764.997	3842.	1060	4.19
196	1959	885.607	764.997	3668.	1060	4.70
197	1969	886.111	764.997	3495.	1060	5.20
198	1979	886.614	764.996	3322.	1060	5.70
199	1989	887.114	765.002	3150.	1067	6.21
200	1999	887.606	765.009	2980.	1060	6.70
201	2009	888.076	765.004	2834.	1060	7.17
202	2019	888.523	764.999	2677.	1067	7.61
203	2029	888.947	764.996	2529.	1060	8.04
204	2039	889.351	764.994	2390.	1060	8.44



ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 25

## DAL1072 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
188	1880	885.525	764.999	3593.	1067	.00
189	1889	885.976	765.008	3537.	1060	.45
190	1899	886.476	765.002	3382.	1067	.95
191	1909	886.974	764.999	3211.	1060	1.45
192	1919	887.441	764.845	3040.	1000	1.95
193	1929	887.879	764.613	2868.	1000	2.44
194	1939	888.342	764.741	2697.	1000	2.94
195	1949	888.651	765.120	2531.	1000	3.43
196	1959	888.736	765.617	2742.	1000	3.94
197	1969	888.687	766.146	3158.	1000	4.48
198	1979	888.380	766.616	3575.	1000	5.05
199	1989	887.353	766.892	3956.	1000	5.65
200	1999	887.246	766.925	4354.	1000	6.26
201	2009	886.634	766.925	4771.	1000	6.87
202	2019	886.015	766.925	5188.	1000	7.49
203	2029	885.366	766.925	5604.	1000	8.14
204	2039	884.683	766.925	6021.	1003	8.82
205	2049	883.993	766.745	6438.	1004	9.54
206	2059	883.405	766.286	6854.	1004	10.29

## ASE118 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
188	1880	884.870	763.422	3994.	1067	.00
189	1889	885.326	763.422	3871.	1067	.46
190	1899	885.844	763.443	3709.	1000	.98
191	1909	886.311	763.659	3546.	1000	1.49
192	1919	886.762	763.908	3382.	1000	2.01
193	1929	887.267	763.963	3166.	1000	2.52
194	1939	887.725	763.760	2833.	1000	3.03
195	1949	888.079	763.356	2517.	1000	3.53
196	1959	888.084	762.854	2500.	1000	4.05
197	1969	888.084	762.343	2500.	1000	4.56
198	1979	888.084	761.833	2500.	1000	5.07

## DAL878 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
188	1880	884.339	763.909	4044.	1060	.00
189	1889	884.788	763.913	3885.	1060	.45
190	1899	885.286	763.916	3709.	1060	.95
191	1909	885.782	763.918	3533.	1060	1.44
192	1919	886.284	764.001	3688.	1000	1.95

03/16/89

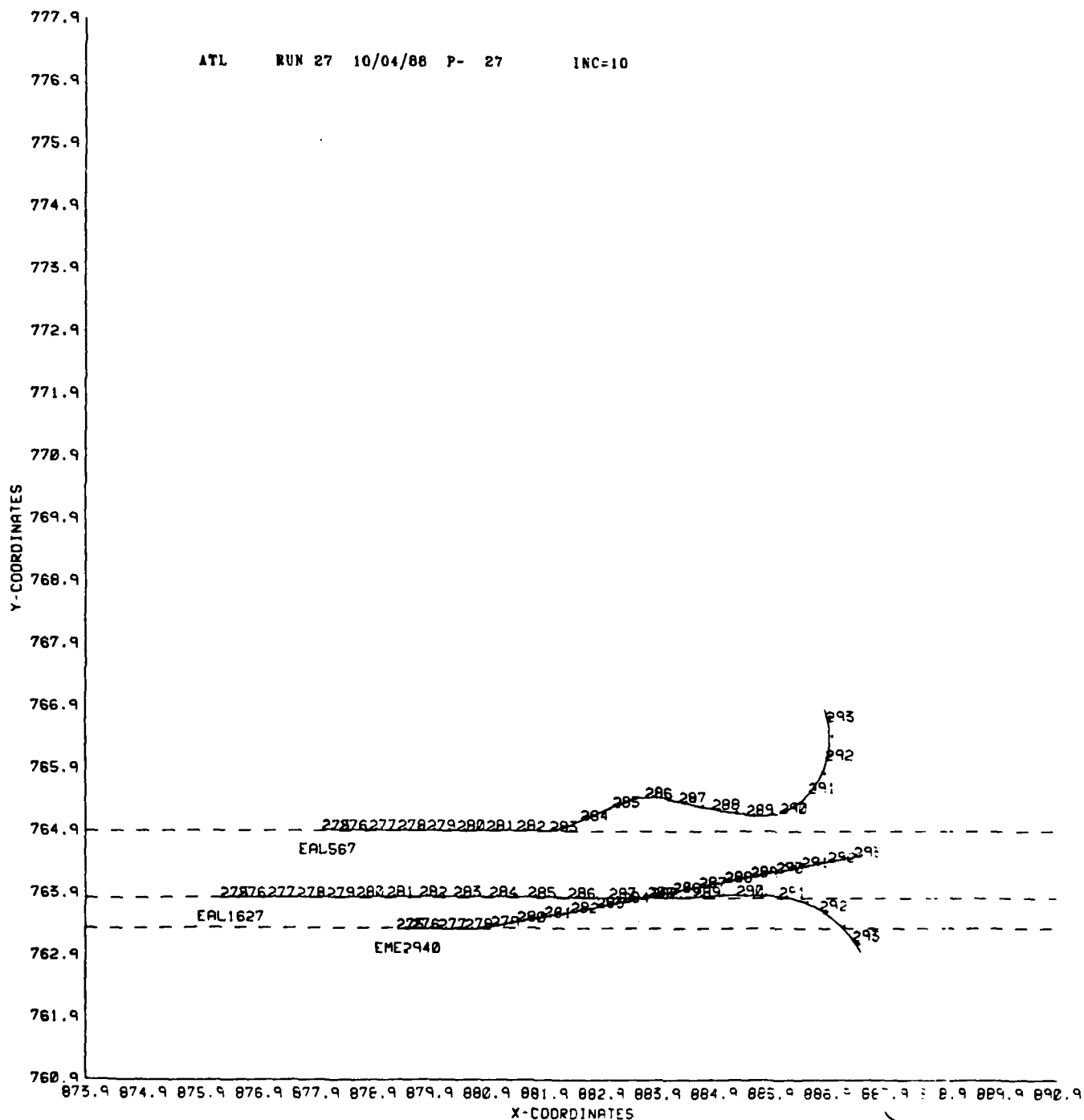
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TASK # 1F00016C

ALGEO

GOULD C.S.D. MPX-

193	1929	886.784	764.193	4054.	1000	2.49
194	1939	887.187	764.583	4471.	1000	3.06
195	1949	887.358	765.153	4887.	1000	3.66
196	1959	887.358	765.779	5000.	1000	4.28
197	1969	887.237	766.414	5000.	1000	4.94
198	1979	886.830	766.955	5000.	1000	5.62



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ALGEO

GCULD C.S.D. MPX-3

ATL

DATE OF RUN 10/04/88 RUN - 27 PLOT- 27

## EME2940 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
275	2753	879.431	763.417	3994.	1060	.00
276	2759	879.709	763.417	3994.	1060	.28
277	2769	880.173	763.417	3994.	1060	.74
278	2779	880.637	763.418	3994.	1060	1.21
279	2789	881.098	763.457	3994.	1000	1.67
280	2799	881.554	763.537	3994.	1000	2.13
281	2809	882.011	763.618	3994.	1000	2.60
282	2819	882.468	763.698	3994.	1000	3.06
283	2829	882.924	763.779	3994.	1000	3.52
284	2839	883.381	763.859	3994.	1000	3.99
285	2849	883.837	763.940	3994.	1000	4.45
286	2859	884.294	764.021	3994.	1000	4.92
287	2869	884.750	764.101	3994.	1000	5.38
288	2879	885.207	764.182	3994.	1000	5.84
289	2889	885.663	764.262	3994.	1000	6.31
290	2899	886.120	764.343	3994.	1000	6.77
291	2909	886.576	764.423	3994.	1000	7.23
292	2919	887.033	764.504	3994.	1000	7.70
293	2929	887.490	764.584	3994.	1000	8.16

## EAL567 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
275	2753	878.109	765.007	4994.	1060	.00
276	2759	878.420	765.006	4994.	1060	.31
277	2769	878.937	765.004	4994.	1060	.83
278	2779	879.455	765.001	4994.	1067	1.35
279	2789	879.972	765.001	4994.	1067	1.86
280	2799	880.490	765.001	4994.	1060	2.38
281	2809	881.008	765.001	4994.	1060	2.90
282	2819	881.538	765.000	5000.	1067	3.43
283	2829	882.097	764.995	4982.	1101	3.99
284	2839	882.646	765.173	4624.	1101	4.57
285	2849	883.208	765.388	4207.	1101	5.17
286	2859	883.793	765.536	3791.	1066	5.78
287	2869	884.390	765.461	3666.	1060	6.38
288	2879	884.984	765.347	3600.	1062	6.99
289	2889	885.588	765.255	3634.	1062	7.60
290	2899	886.187	765.295	4045.	1000	8.20
291	2909	886.698	765.615	4462.	1000	8.81
292	2919	887.000	766.143	4878.	1000	9.43
293	2929	887.020	766.764	5000.	1000	10.05

## EAL1627 ACTUAL FLIGHT:



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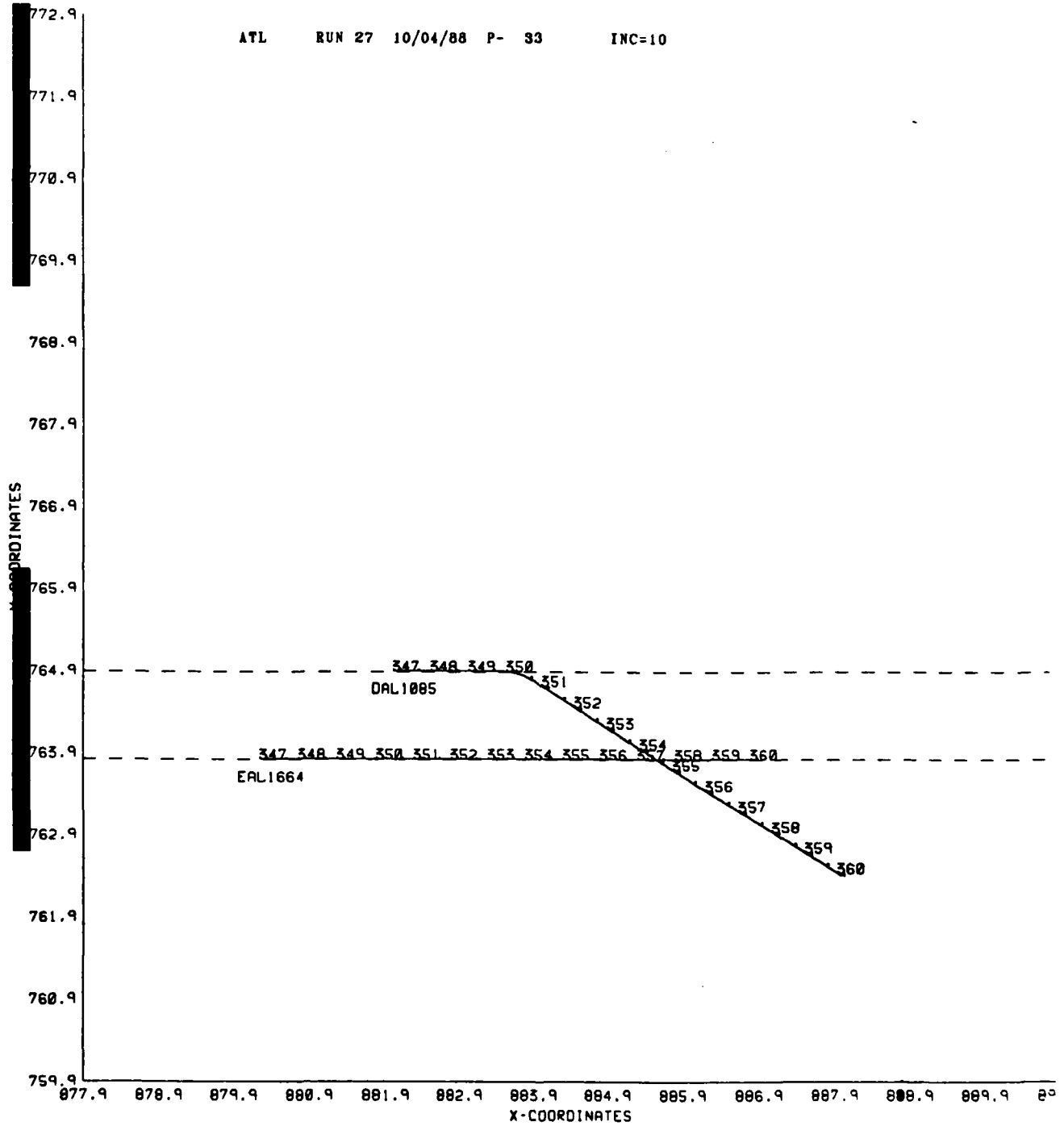
TASK # 1F00016C

ALGEO

GOULD C.S.D. MPX-3

INC	TIME	X	Y	ALT	TRACK	DISTANCE
275	2753	876.344	763.921	5994.	1060	.00
276	2759	876.653	763.922	5994.	1060	.31
277	2769	877.168	763.922	5994.	1067	.82
278	2779	877.683	763.922	5994.	1060	1.34
279	2784	878.198	763.922	5994.	1060	1.85
280	2799	878.710	763.937	6000.	1062	2.37
281	2809	879.258	763.936	6000.	1062	2.91
282	2819	879.831	763.936	6000.	1062	3.49
283	2829	880.433	763.936	6000.	1067	4.09
284	2839	881.066	763.935	6000.	1062	4.72
285	2849	881.729	763.935	6000.	1062	5.39
286	2859	882.422	763.930	6000.	1062	6.08
287	2869	883.145	763.928	6000.	1062	6.80
288	2879	883.896	763.927	6000.	1062	7.55
289	2889	884.652	763.939	6000.	1067	8.31
290	2899	885.407	763.964	6000.	1062	9.06
291	2909	886.164	763.947	6000.	1000	9.82
292	2919	886.882	763.726	6000.	1000	10.58
293	2929	887.457	763.241	6000.	1000	11.34

ATL RUN 27 10/04/88 P- 33 INC=10



03/16/59

11:27:49

TASK # 1F00016C

ALGEO

GCULD C.S.D. MPX-3

ATL

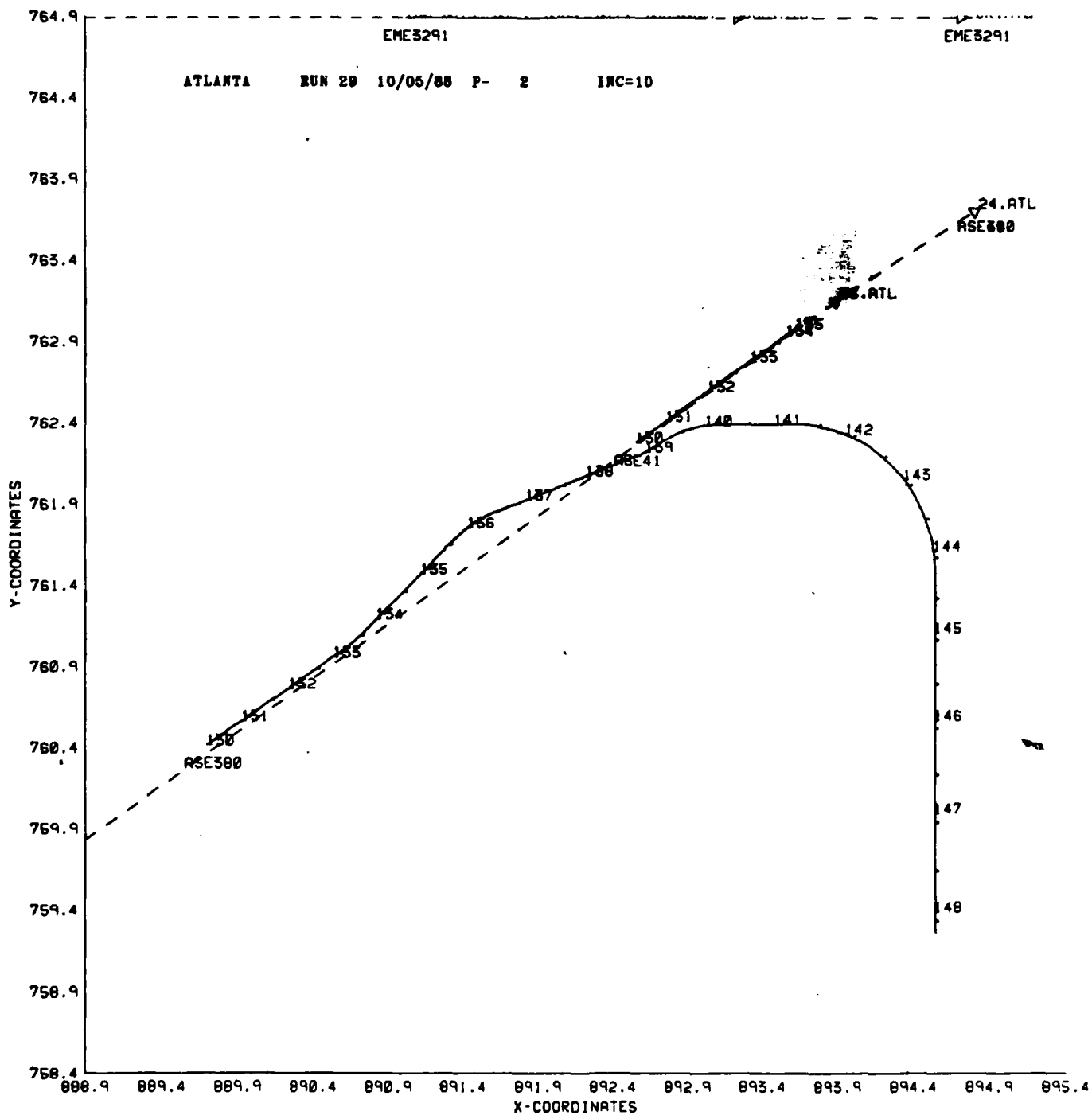
DATE OF RUN 10/04/58 RUN - 27 PLOT- 33

## DAL1065 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
347	3469	802.103	765.000	4875.	1060	.00
348	3479	882.518	765.000	4698.	1060	.52
349	3489	803.133	764.999	4521.	1067	1.03
350	3499	853.645	764.995	4345.	1000	1.54
351	3509	884.119	764.810	4169.	1000	2.05
352	3519	834.560	764.560	3992.	1000	2.56
353	3529	885.000	764.303	3816.	1000	3.07
354	3539	885.439	764.049	3640.	1000	3.58
355	3549	885.870	763.795	3464.	1000	4.09
356	3559	886.313	763.542	3288.	1000	4.59
357	3569	886.748	763.288	3112.	1000	5.09
358	3579	887.183	763.037	2936.	1000	5.60
359	3589	887.615	762.785	2759.	1000	6.10
360	3599	888.048	762.534	2583.	1000	6.60

## EAL1664 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
347	3469	880.346	763.923	5453.	1060	.00
348	3479	880.859	763.923	5272.	1060	.51
349	3489	881.369	763.923	5091.	1060	1.02
350	3499	881.879	763.923	4911.	1060	1.53
351	3509	882.386	763.923	4731.	1067	2.04
352	3519	882.893	763.923	4552.	1060	2.55
353	3529	883.393	763.923	4373.	1060	3.05
354	3539	883.902	763.923	4194.	1060	3.56
355	3549	884.405	763.923	4016.	1067	4.06
356	3559	884.906	763.923	3839.	1060	4.56
357	3569	885.406	763.923	3661.	1067	5.06
358	3579	885.904	763.923	3485.	1060	5.56
359	3589	886.402	763.923	3309.	1060	6.06
360	3599	886.896	763.923	3133.	1060	6.55



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15:38:29

TASK # 32000268

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DATE OF RUN 5/8829 RUN - 2 PLOT-

## ASE380 ACTUAL FLIGHT:

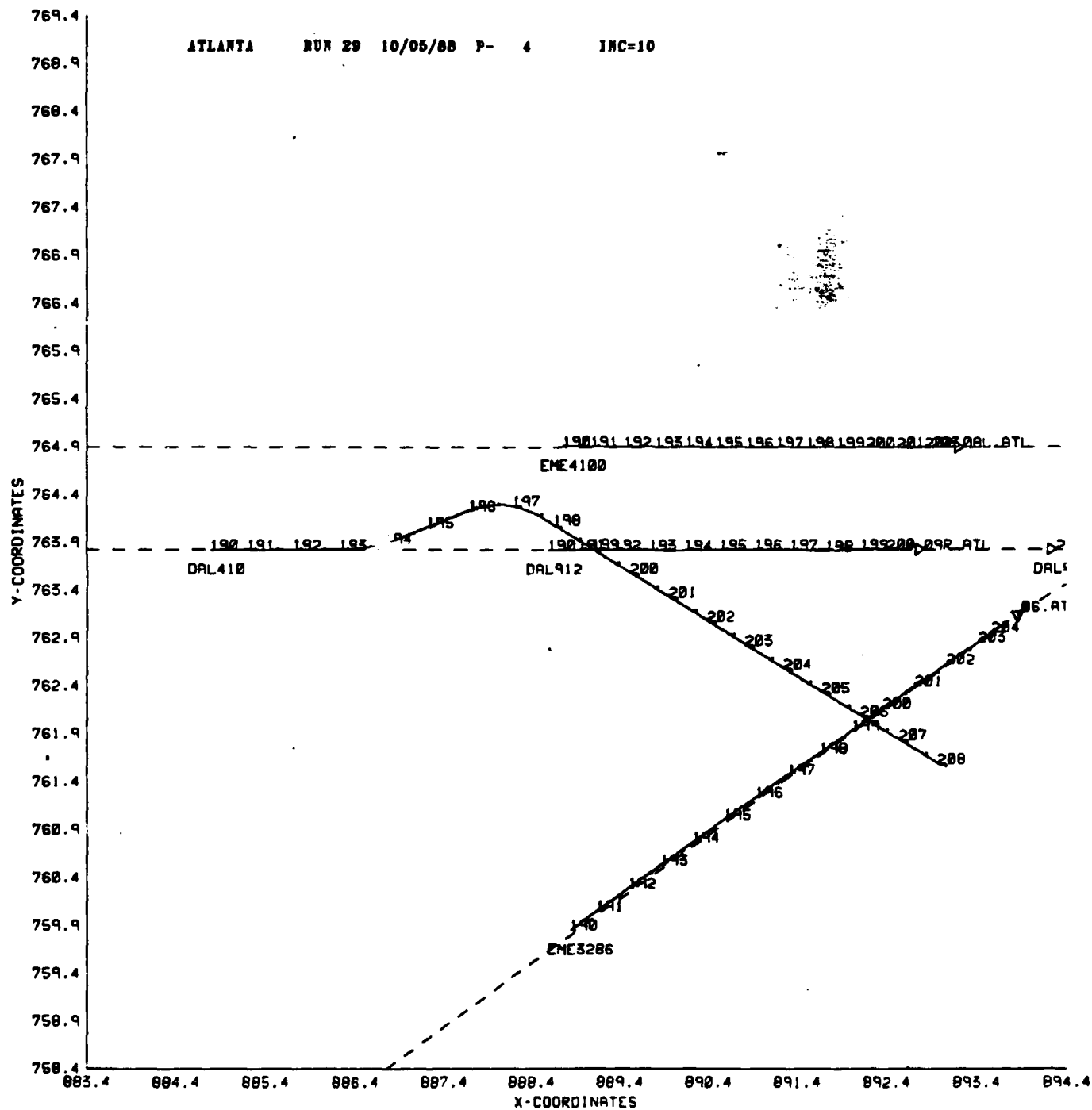
INC	TIME	X	Y	ALT	TRACK	DISTANCE
130	1302	829.799	760.516	2650.	1060	.00
131	1309	890.027	760.666	2561.	1060	.27
132	1319	890.334	760.866	2437.	1067	.64
133	1329	890.532	761.059	2322.	1060	.99
134	1339	890.921	761.294	2205.	1000	1.37
135	1349	891.215	761.572	2088.	1000	1.77
136	1359	891.533	761.853	1971.	1000	2.20
137	1369	891.924	762.026	1853.	1066	2.63
138	1379	892.325	762.173	1736.	1066	3.05
139	1389	892.724	762.322	1619.	1066	3.48
140	1399	893.122	762.483	1714.	1000	3.91
141	1409	893.582	762.490	2048.	1000	4.37
142	1419	894.054	762.431	2381.	1000	4.85
143	1429	894.438	762.151	2714.	1000	5.33
144	1439	894.633	761.712	2988.	1000	5.82
145	1449	894.644	761.207	3000.	1000	6.33
146	1459	894.644	760.668	3000.	1000	6.86
147	1469	894.644	760.096	3000.	1000	7.44
148	1479	894.644	759.489	3000.	1000	8.04

## ASE41 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
130	1302	892.659	762.379	1543.	1060	.00
131	1309	892.857	762.510	1466.	1060	.24
132	1319	893.140	762.696	1356.	1060	.58
133	1329	893.423	762.882	1246.	1060	.91
134	1339	893.663	763.039	1138.	1201	1.20
135	1349	893.729	763.083	1040.	1201	1.28

## EME3291 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
130	1302	891.117	764.990	1787.	1060	.00
131	1309	891.354	764.990	1705.	1067	.24
132	1319	891.694	764.990	1588.	1060	.58
133	1329	892.033	764.990	1471.	1060	.92
134	1339	892.373	764.990	1355.	1060	1.26
135	1349	892.711	764.988	1238.	1060	1.59
136	1359	892.945	764.988	1127.	1201	1.83
137	1369	893.026	764.988	1026.	1202	1.91



10/0

DATE OF RUN 5/3829 RUN - 4 PLOT-

## DAL410 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
190	1901	884.886	763.915	3946.	1060	.30
191	1909	885.298	763.916	3800.	1060	.41
192	1919	885.815	763.919	3617.	1060	.93
193	1927	886.326	763.919	3436.	1060	1.44
194	1939	886.832	763.986	3254.	1000	1.95
195	1949	887.313	764.156	3073.	1000	2.46
196	1959	887.792	764.331	2891.	1000	2.97
197	1969	888.292	764.578	2710.	1000	3.48
198	1979	888.754	764.173	2528.	1000	3.99
199	1989	889.191	763.926	2347.	1000	4.49
200	1999	889.627	763.674	2166.	1000	5.00
201	2009	890.062	763.423	1984.	1000	5.50
202	2019	890.497	763.171	1803.	1000	6.00
203	2029	890.929	762.922	1621.	1000	6.50
204	2039	891.361	762.675	1440.	1000	7.00
205	2049	891.791	762.424	1258.	1000	7.49
206	2059	892.221	762.176	1077.	1000	7.99
207	2069	892.651	761.927	1026.	1000	8.49
208	2079	893.081	761.678	1026.	1000	8.98

## EME4100 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
190	1901	888.862	765.002	2561.	1060	.00
191	1909	889.179	764.999	2451.	1060	.32
192	1919	889.555	764.997	2320.	1067	.69
193	1929	889.909	764.994	2195.	1060	1.05
194	1939	890.250	764.992	2077.	1060	1.39
195	1949	890.592	764.991	1960.	1060	1.73
196	1959	890.934	764.991	1842.	1060	2.07
197	1969	891.274	764.991	1725.	1067	2.41
198	1979	891.614	764.990	1608.	1060	2.75
199	1989	891.953	764.990	1492.	1067	3.09
200	1999	892.292	764.990	1387.	1060	3.43
201	2009	892.631	764.989	1270.	1060	3.77
202	2019	892.943	764.989	1155.	1201	4.08
203	2029	893.023	764.989	1048.	1201	4.16

## DAL912 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
190	1901	888.592	763.917	2504.	1060	.00
191	1909	889.031	763.919	2383.	1060	.34
192	1919	889.437	763.921	2239.	1060	.74

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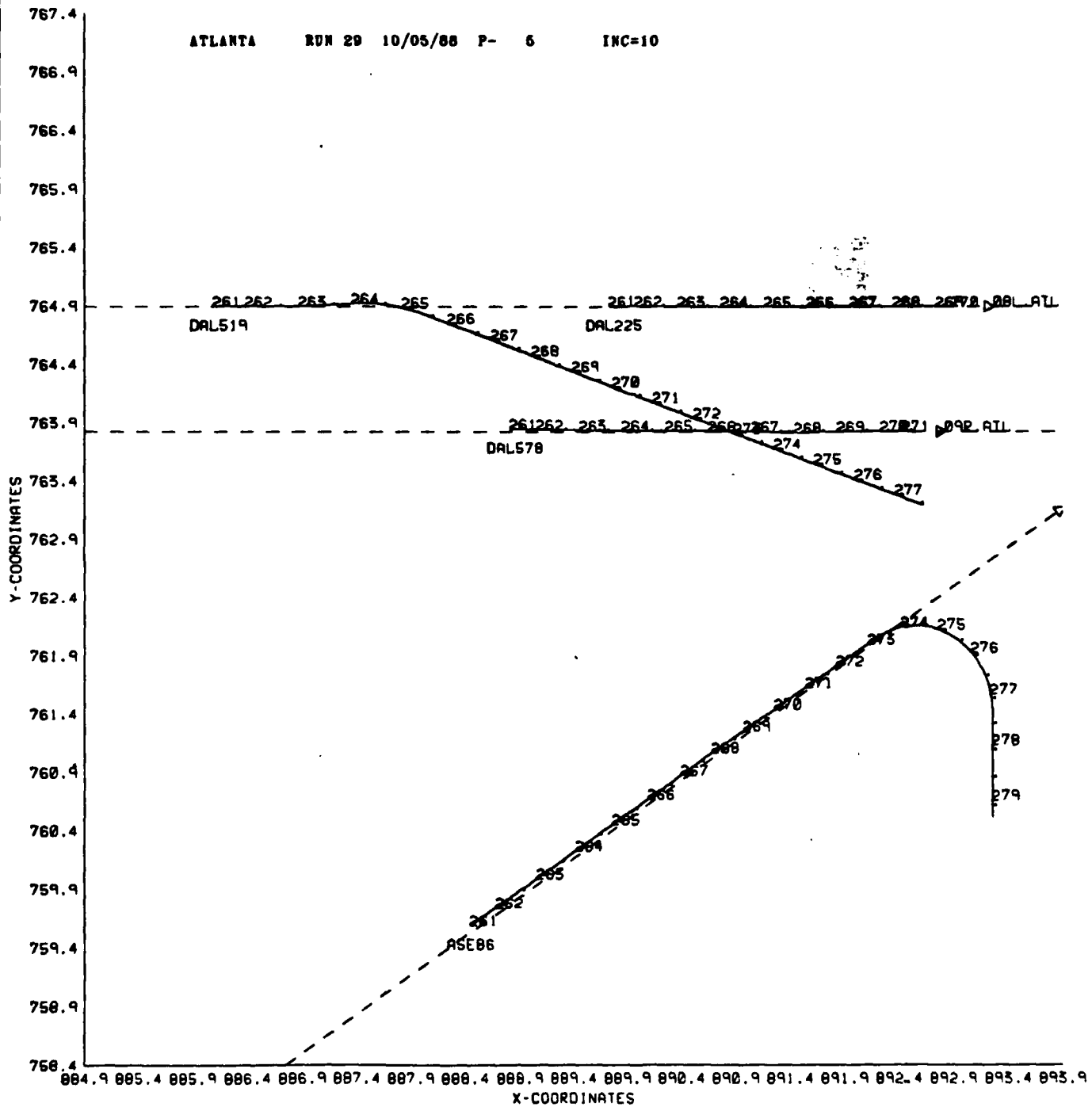
193	1929	389.836	763.917	2098.	1067	1.14
194	1939	890.234	763.914	1956.	1067	1.54
195	1949	890.632	763.920	1815.	1060	1.94
196	1959	891.030	763.922	1675.	1060	2.34
197	1969	891.425	763.921	1535.	1067	2.73
198	1979	891.821	763.905	1409.	1060	3.13
199	1989	892.214	763.921	1269.	1060	3.52
200	1999	892.512	763.924	1132.	1201	3.82

## EME3256 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
190	1901	888.945	759.941	2994.	1067	.00
191	1909	889.246	760.141	2938.	1060	.36
192	1919	889.608	760.331	2797.	1060	.80
193	1929	889.968	760.620	2657.	1060	1.23
194	1939	890.327	760.856	2517.	1060	1.66
195	1949	890.686	761.093	2377.	1060	2.09
196	1959	891.045	761.328	2238.	1067	2.52
197	1969	891.403	761.562	2099.	1060	2.94
198	1979	891.763	761.792	1960.	1067	3.37
199	1989	892.119	762.025	1821.	1060	3.80
200	1999	892.473	762.260	1671.	1067	4.22
201	2009	892.827	762.494	1527.	1060	4.65
202	2019	893.182	762.724	1376.	1060	5.07
203	2029	893.536	762.956	1232.	1060	5.49
204	2039	893.885	763.054	1086.	1201	5.67



ATLANTA RUN 29 10/05/88 P- 6 INC=10



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TASK # 32000268

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GOULD C.S.D. MPX-

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DATE OF RUN 5/8829 RUN - 5 PLOT-

## DAL519 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
261	2613	886.180	764.993	3476.	1067	.00
262	2619	886.475	764.993	3374.	1060	.29
263	2629	886.966	764.993	3206.	1060	.79
264	2639	887.451	765.016	3037.	1067	1.27
265	2649	887.914	764.982	2874.	1000	1.74
266	2659	888.336	764.649	2712.	1000	2.18
267	2669	888.731	764.703	2550.	1000	2.60
268	2679	889.110	764.574	2388.	1000	3.00
269	2689	889.486	764.439	2226.	1000	3.40
270	2699	889.862	764.305	2064.	1000	3.80
271	2709	890.236	764.171	1902.	1000	4.20
272	2719	890.609	764.037	1740.	1000	4.59
273	2729	890.983	763.906	1578.	1000	4.99
274	2739	891.354	763.774	1415.	1000	5.38
275	2749	891.725	763.642	1253.	1000	5.78
276	2759	892.097	763.510	1130.	1000	6.17
277	2769	892.468	763.378	1070.	1000	6.57

## DAL225 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
261	2613	889.823	764.996	2233.	1067	.00
262	2619	890.064	764.995	2150.	1067	.24
263	2629	890.462	764.992	2013.	1060	.64
264	2639	890.860	764.990	1876.	1067	1.04
265	2649	891.258	764.988	1739.	1060	1.43
266	2659	891.655	764.988	1603.	1060	1.83
267	2669	892.050	764.988	1467.	1060	2.23
268	2679	892.446	764.988	1331.	1060	2.62
269	2689	892.840	764.989	1195.	1060	3.02
270	2699	892.981	764.989	1071.	1201	3.16

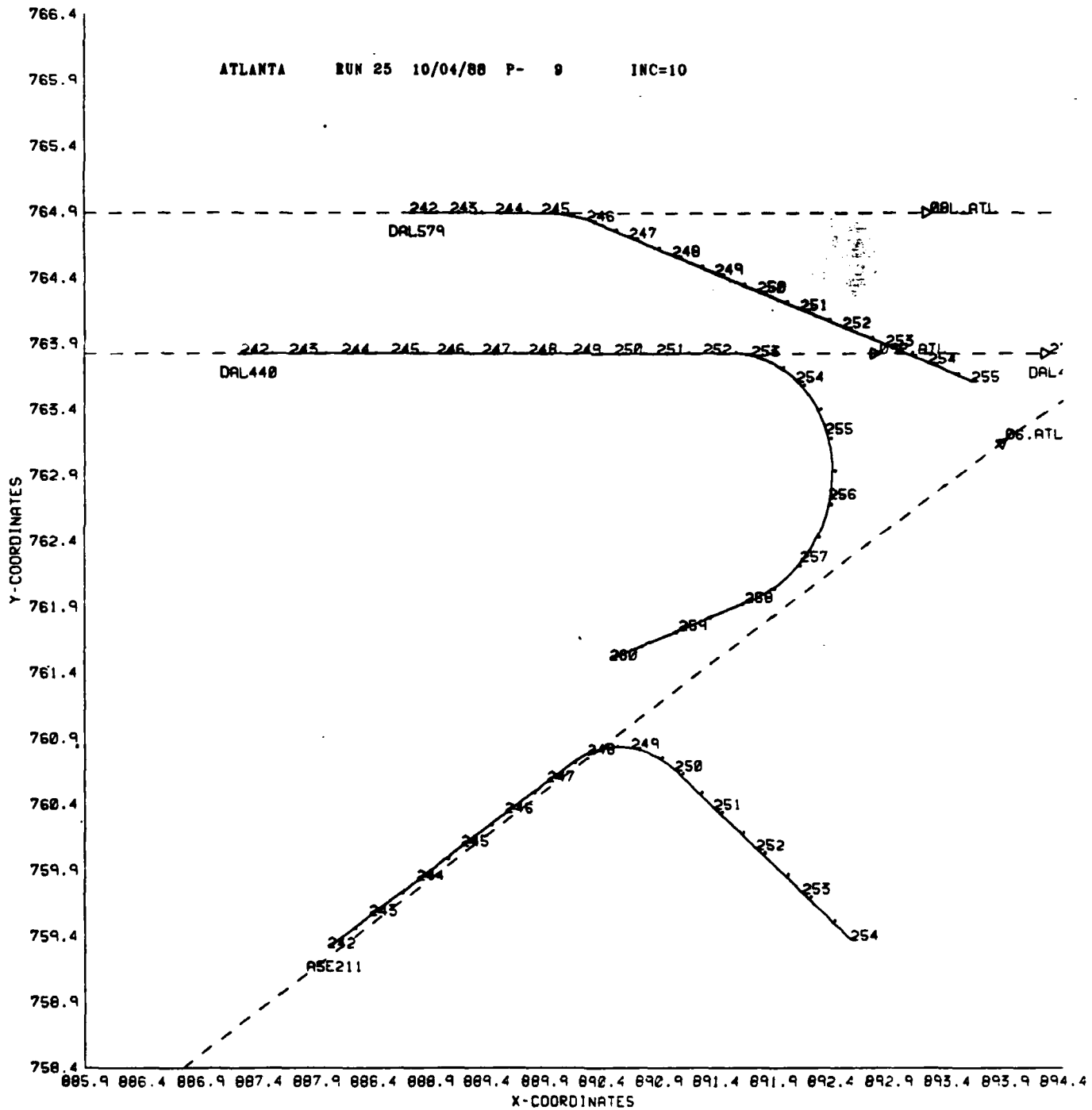
## DAL578 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
261	2613	888.906	763.944	2434.	1060	.00
262	2619	889.153	763.939	2346.	1060	.25
263	2629	889.554	763.934	2204.	1060	.65
264	2639	889.954	763.930	2063.	1060	1.05
265	2649	890.352	763.928	1922.	1060	1.45
266	2659	890.750	763.926	1781.	1067	1.84
267	2669	891.146	763.921	1640.	1067	2.24
268	2679	891.542	763.909	1500.	1060	2.64
269	2689	891.937	763.920	1360.	1060	3.03

270	2699	892.332	763.924	1220.	1060	3.43
271	2709	892.536	763.925	1091.	1201	3.63

## ASE46 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
261	2613	889.544	759.839	2974.	1067	.00
262	2619	893.777	759.842	2994.	1067	.28
263	2629	894.159	760.093	2908.	1060	.73
264	2639	899.521	760.331	2707.	1060	1.17
265	2649	892.865	760.556	2632.	1060	1.58
266	2659	890.190	760.770	2505.	1060	1.97
267	2669	890.496	760.973	2385.	1067	2.34
268	2679	890.783	761.163	2269.	1060	2.68
269	2689	891.072	761.354	2158.	1067	3.03
270	2699	891.360	761.539	2047.	1067	3.37
271	2709	891.646	761.725	1936.	1060	3.71
272	2719	891.932	761.910	1825.	1067	4.05
273	2729	892.217	762.096	1714.	1060	4.39
274	2739	892.521	762.242	1604.	1000	4.73
275	2749	892.862	762.223	1583.	1000	5.08
276	2759	893.164	762.024	1906.	1000	5.44
277	2769	893.343	761.669	2239.	1000	5.84
278	2779	893.358	761.232	2572.	1000	6.28
279	2789	893.358	760.756	2906.	1000	6.76



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DATE OF RUN 4/8825 RUN <sup>25</sup> 9 PLOT-

## DAL579 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
242	2420	888.823	764.994	2565.	1060	.00
243	2429	889.184	764.994	2440.	1060	.36
244	2439	889.584	764.991	2302.	1060	.76
245	2449	889.985	764.989	2178.	1060	1.16
246	2459	890.379	764.936	2041.	1000	1.56
247	2469	890.754	764.804	1904.	1000	1.96
248	2479	891.128	764.667	1766.	1000	2.36
249	2489	891.500	764.530	1629.	1000	2.75
250	2499	891.871	764.394	1492.	1000	3.15
251	2509	892.242	764.257	1354.	1000	3.54
252	2519	892.613	764.120	1217.	1000	3.94
253	2529	892.983	763.983	1128.	1000	4.33
254	2539	893.354	763.847	1068.	1000	4.73
255	2549	893.725	763.710	1026.	1000	5.12

## DAL440 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
242	2420	887.354	763.923	2974.	1060	.00
243	2429	887.781	763.923	2823.	1060	.43
244	2439	888.233	763.923	2662.	1060	.88
245	2449	888.663	763.923	2509.	1060	1.31
246	2459	889.071	763.923	2378.	1060	1.72
247	2469	889.471	763.923	2236.	1060	2.12
248	2479	889.871	763.923	2131.	1062	2.52
249	2489	890.257	763.923	2498.	1062	2.90
250	2499	890.623	763.923	3123.	1062	3.27
251	2509	890.994	763.924	3742.	1062	3.64
252	2519	891.398	763.924	3987.	1062	4.04
253	2529	891.820	763.907	4036.	1000	4.47
254	2539	892.208	763.709	4418.	1000	4.91
255	2549	892.462	763.318	4834.	1000	5.38
256	2559	892.489	762.818	5251.	1000	5.89
257	2569	892.247	762.343	5668.	1000	6.43
258	2579	891.767	762.031	5994.	1000	7.00
259	2589	891.187	761.821	6000.	1000	7.62
260	2599	890.580	761.600	6000.	1000	8.27

## ASE211 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
242	2420	888.103	759.409	3306.	1060	.00
243	2429	888.475	759.653	3162.	1060	.44
244	2439	888.886	759.922	3002.	1060	.94

03/23/89

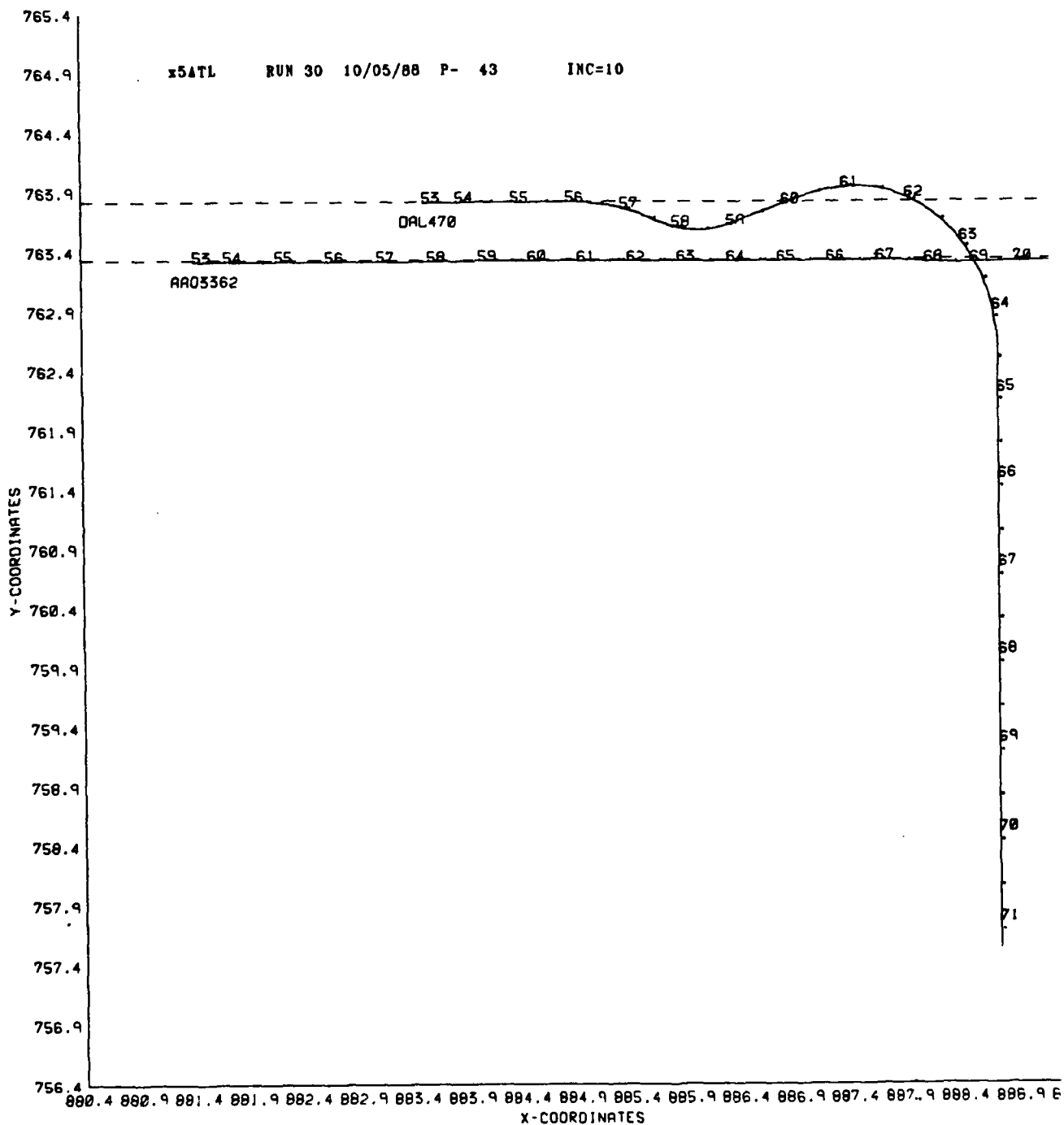
12:14:23

TASK # 400000DA

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GOULD C.S.D. WPX-

245	2449	889.286	760.184	2846.	1060	1.41
246	2459	889.668	760.435	2697.	1060	1.87
247	2469	890.031	760.672	2555.	1060	2.30
248	2479	890.384	760.882	2458.	1000	2.72
249	2489	890.772	760.923	2500.	1000	3.11
250	2499	891.148	760.753	2500.	1000	3.53
251	2509	891.493	760.463	2500.	1000	3.98
252	2519	891.863	760.152	2500.	1000	4.46
253	2529	892.260	759.820	2500.	1000	4.98
254	2539	892.682	759.466	2500.	1000	5.53



x SATL

DATE OF RUN 10/05/88 RUN - 30 PLOT- 43

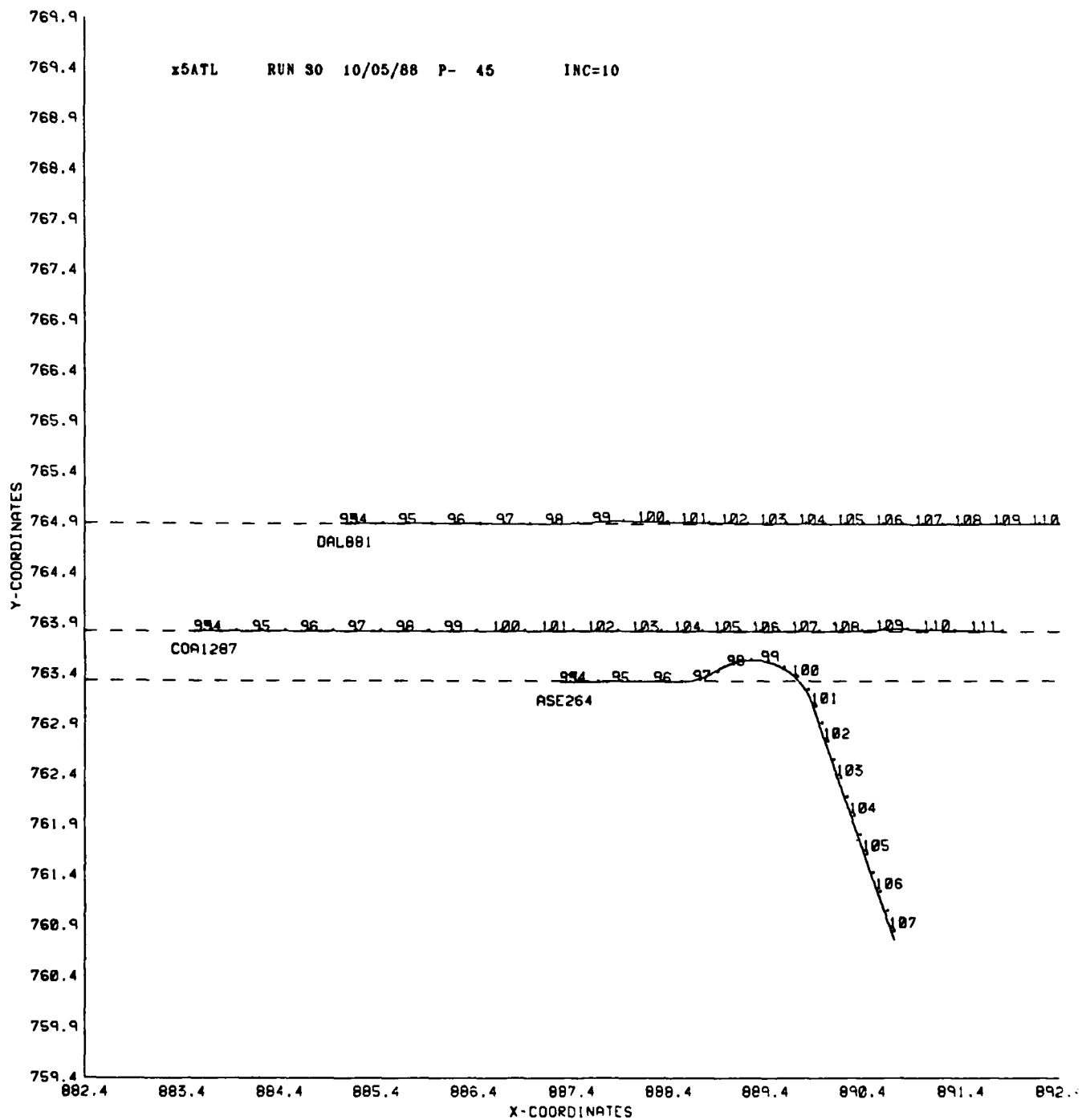
## DAL470 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
53	533	883.603	763.917	4301.	1060	.00
54	539	883.905	763.917	4194.	1060	.30
55	549	884.407	763.917	4016.	1060	.80
56	559	884.908	763.918	3839.	1060	1.31
57	569	885.404	763.867	3662.	1000	1.81
58	579	885.876	763.713	3485.	1000	2.30
59	589	886.379	763.724	3475.	1000	2.81
60	599	886.875	763.903	3875.	1000	3.34
61	609	887.425	764.039	4000.	1000	3.91
62	619	888.008	763.956	4251.	1000	4.50
63	629	888.504	763.589	4608.	1000	5.12
64	639	888.798	763.005	4994.	1000	5.78
65	649	889.342	762.311	5000.	1000	6.48
66	659	888.842	761.584	5000.	1000	7.21
67	669	888.842	760.840	5090.	1000	7.95
68	679	888.842	760.100	5501.	1000	8.69
69	689	888.842	759.355	5913.	1000	9.44
70	699	888.842	758.606	6334.	1000	10.19
71	709	888.842	757.852	6751.	1000	10.94

## AA03362 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
53	533	881.519	763.418	3994.	1060	.00
54	539	881.797	763.419	3994.	1060	.28
55	549	882.261	763.419	3994.	1060	.74
56	559	882.725	763.419	3994.	1060	1.21
57	569	883.189	763.420	3994.	1067	1.67
58	579	883.653	763.420	3994.	1060	2.13
59	589	884.115	763.420	3940.	1067	2.60
60	599	884.569	763.420	3810.	1067	3.05
61	609	885.019	763.420	3277.	1067	3.50
62	619	885.470	763.420	3003.	1067	3.95
63	629	885.927	763.422	2994.	1060	4.41
64	639	886.384	763.422	2994.	1060	4.86
65	649	886.840	763.422	2994.	1067	5.32
66	659	887.297	763.423	2994.	1060	5.78
67	669	887.752	763.423	2968.	1060	6.23
68	679	888.191	763.411	2328.	1067	6.67
69	689	888.606	763.404	2693.	1060	7.09
70	699	889.000	763.410	2531.	1060	7.48
71	709	889.371	763.415	2453.	1067	7.85





03/06/89

17:36:41

TASK # 04000132

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GCULD C.S.D. MPX

x SATL

DATE OF RUN 10/05/88 RUN - 30 PLOT- 45

## ASE264 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
93	937	887.376	763.423	3088.	1060	.00
94	939	887.467	763.423	3060.	1060	.09
95	949	887.916	763.423	2918.	1060	.54
96	959	883.344	763.423	2781.	1060	.97
97	969	883.750	763.439	2652.	1000	1.38
98	979	889.100	763.593	2525.	1000	1.76
99	989	889.456	763.632	2397.	1000	2.12
100	999	889.768	763.495	2270.	1000	2.47
101	1009	889.970	763.217	2233.	1000	2.81
102	1019	890.095	762.869	2552.	1000	3.18
103	1029	890.230	762.499	2885.	1000	3.58
104	1039	890.365	762.126	3219.	1000	3.97
105	1049	890.502	761.753	3552.	1000	4.37
106	1059	890.638	761.377	3885.	1000	4.77
107	1069	890.780	760.989	4000.	1000	5.18

## DAL881 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
93	937	885.127	764.994	3900.	1060	.00
94	939	885.227	764.994	3865.	1060	.10
95	949	885.730	764.994	3692.	1060	.60
96	959	886.231	764.994	3520.	1067	1.10
97	969	886.731	764.992	3348.	1060	1.60
98	979	887.229	764.992	3176.	1060	2.10
99	989	887.714	765.006	3008.	1067	2.59
100	999	888.176	765.013	2845.	1067	3.05
101	1009	888.616	765.005	2690.	1060	3.49
102	1019	889.033	765.000	2545.	1060	3.91
103	1029	889.434	764.997	2407.	1060	4.31
104	1039	889.833	764.994	2269.	1060	4.71
105	1049	890.235	764.992	2132.	1067	5.11
106	1059	890.633	764.990	1994.	1060	5.51
107	1069	891.031	764.987	1857.	1060	5.91
108	1079	891.429	764.987	1721.	1060	6.30
109	1089	891.825	764.989	1584.	1060	6.70
110	1099	892.221	764.989	1448.	1060	7.09
111	1109	892.616	764.989	1300.	1060	7.49

## COA1287 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
93	937	883.624	763.928	4389.	1060	.00

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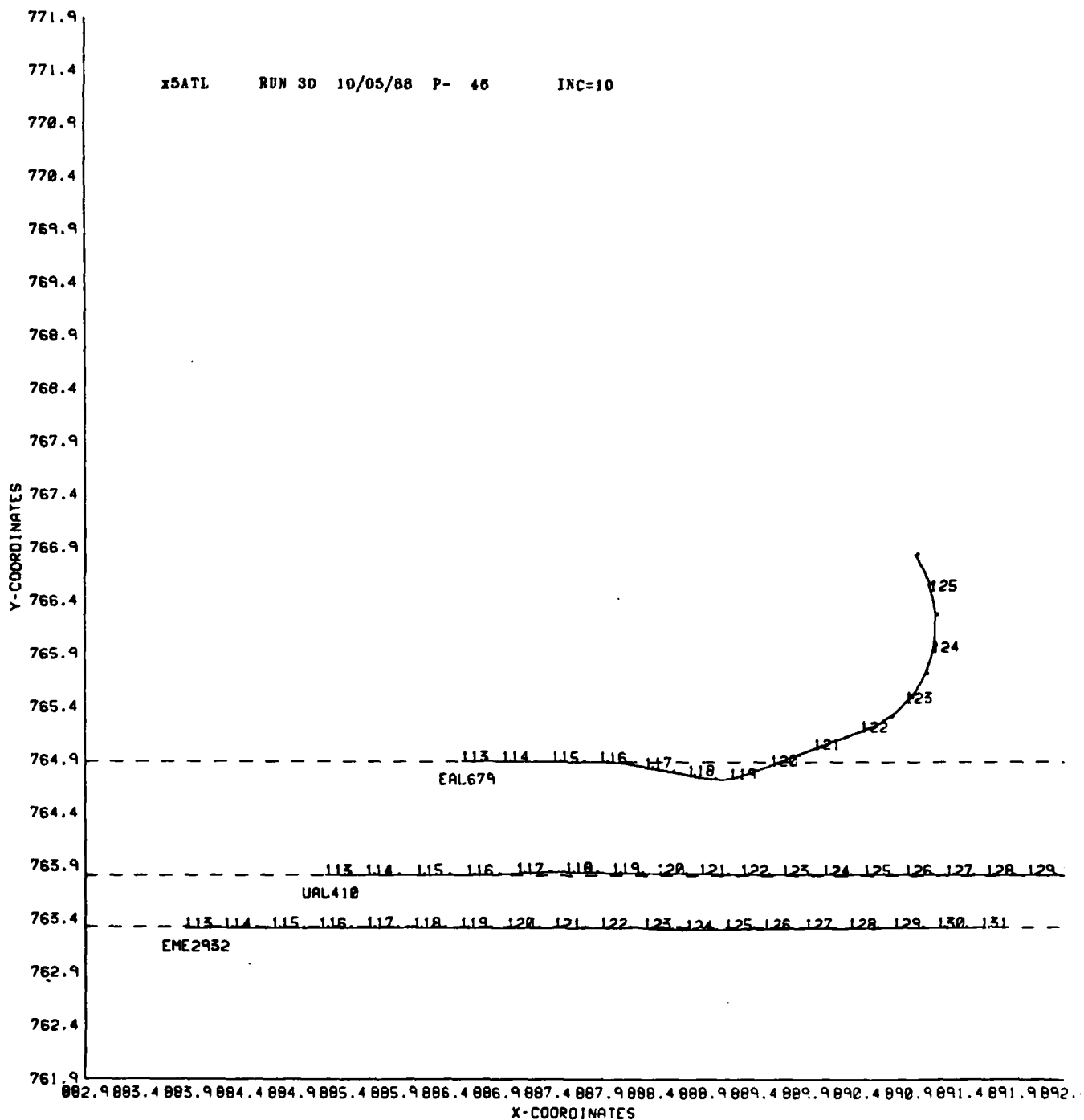
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94	939	883.723	763.928	4354.	1060	.10
95	949	884.221	763.928	4177.	1067	.60
96	959	884.719	763.928	4001.	1060	1.09
97	969	885.214	763.927	3826.	1067	1.59
98	979	885.709	763.927	3650.	1060	2.09
99	989	886.202	763.927	3476.	1067	2.58
100	999	886.694	763.927	3301.	1060	3.07
101	1009	887.185	763.927	3127.	1067	3.56
102	1019	887.662	763.927	2956.	1067	4.04
103	1029	888.117	763.927	2791.	1060	4.49
104	1039	888.550	763.927	2637.	1060	4.93
105	1049	888.959	763.927	2492.	1060	5.34
106	1059	889.360	763.927	2350.	1067	5.74
107	1069	889.761	763.926	2208.	1067	6.14
108	1079	890.185	763.925	2063.	1060	6.56
109	1089	890.635	763.933	1900.	1067	7.01
110	1099	891.111	763.937	1711.	1060	7.49
111	1109	891.591	763.928	1529.	1060	7.97



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## EAL679 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1131	886.653	764.993	3315.	1060	.30
114	1139	887.052	764.991	3179.	1060	.39
115	1147	887.539	764.991	3011.	1060	.88
116	1159	888.002	764.991	2951.	1060	1.34
117	1167	888.440	764.939	2696.	1000	1.79
118	1179	888.852	764.863	2541.	1000	2.20
119	1189	889.253	764.832	2475.	1000	2.61
120	1199	889.656	764.960	2343.	1000	3.03
121	1209	890.080	765.114	3260.	1000	3.48
122	1219	890.536	765.280	3677.	1000	3.97
123	1229	890.969	765.552	4093.	1000	4.49
124	1239	891.224	766.035	4510.	1000	5.04
125	1249	891.205	766.614	4921.	1000	5.62

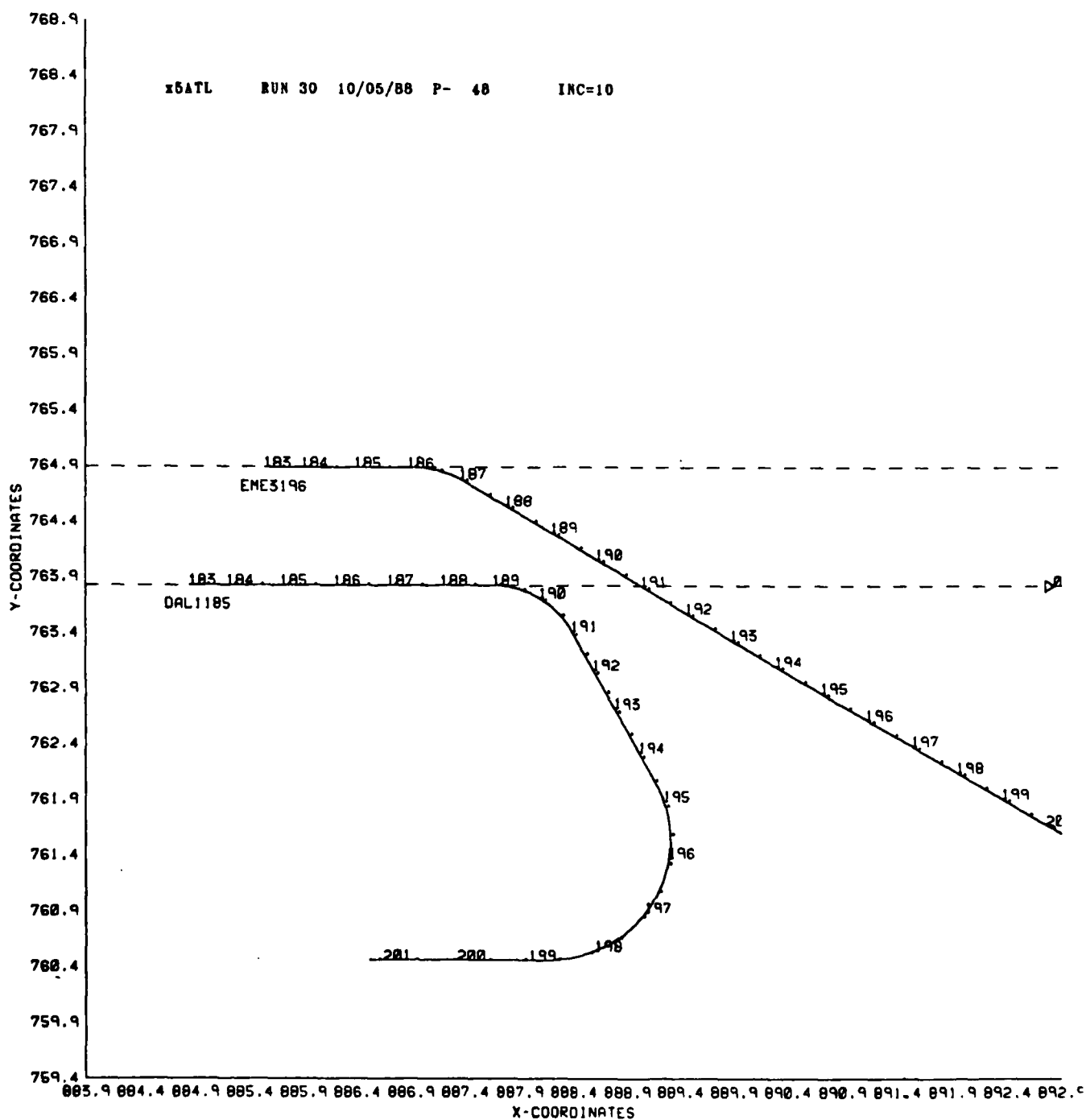
## UAL410 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1131	885.325	763.913	3904.	1060	.30
114	1139	885.721	763.913	3752.	1060	.40
115	1149	886.213	763.919	3518.	1067	.69
116	1159	886.704	763.920	3315.	1060	1.38
117	1167	887.194	763.934	3141.	1067	1.87
118	1179	887.672	763.947	2970.	1060	2.35
119	1189	888.127	763.940	2808.	1060	2.80
120	1199	888.559	763.935	2654.	1060	3.24
121	1209	888.969	763.931	2508.	1060	3.65
122	1219	889.369	763.929	2366.	1060	4.05
123	1229	889.770	763.927	2218.	1060	4.45
124	1239	890.169	763.926	2071.	1060	4.85
125	1249	890.566	763.926	1913.	1060	5.24
126	1259	890.964	763.926	1765.	1067	5.64
127	1269	891.360	763.926	1625.	1060	6.04
128	1279	891.755	763.925	1464.	1060	6.43
129	1289	892.150	763.925	1311.	1060	6.83
130	1299	892.480	763.925	1170.	1201	7.16
131	1309	892.553	763.925	1026.	1202	7.23

## EME2952 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1131	883.977	763.420	3994.	1060	.30
114	1139	884.343	763.421	3994.	1060	.37
115	1149	884.811	763.421	3995.	1060	.83

116	1159	335.272	763.421	3749.	1060	1.29
117	1169	335.731	763.422	3604.	1060	1.75
118	1179	336.190	763.422	3459.	1067	2.21
119	1189	336.648	763.422	3314.	1060	2.67
120	1199	337.105	763.423	3170.	1067	3.13
121	1209	337.562	763.423	3026.	1060	3.58
122	1219	338.009	763.423	2883.	1067	4.03
123	1229	338.434	763.419	2759.	1067	4.46
124	1239	338.836	763.404	2628.	1060	4.86
125	1249	339.216	763.412	2505.	1067	5.24
126	1259	339.590	763.417	2387.	1060	5.61
127	1269	339.994	763.419	2250.	1067	6.02
128	1279	340.422	763.422	2129.	1060	6.45
129	1289	340.849	763.424	1994.	1067	6.87
130	1299	341.276	763.427	1859.	1060	7.30
131	1309	341.702	763.429	1724.	1060	7.73



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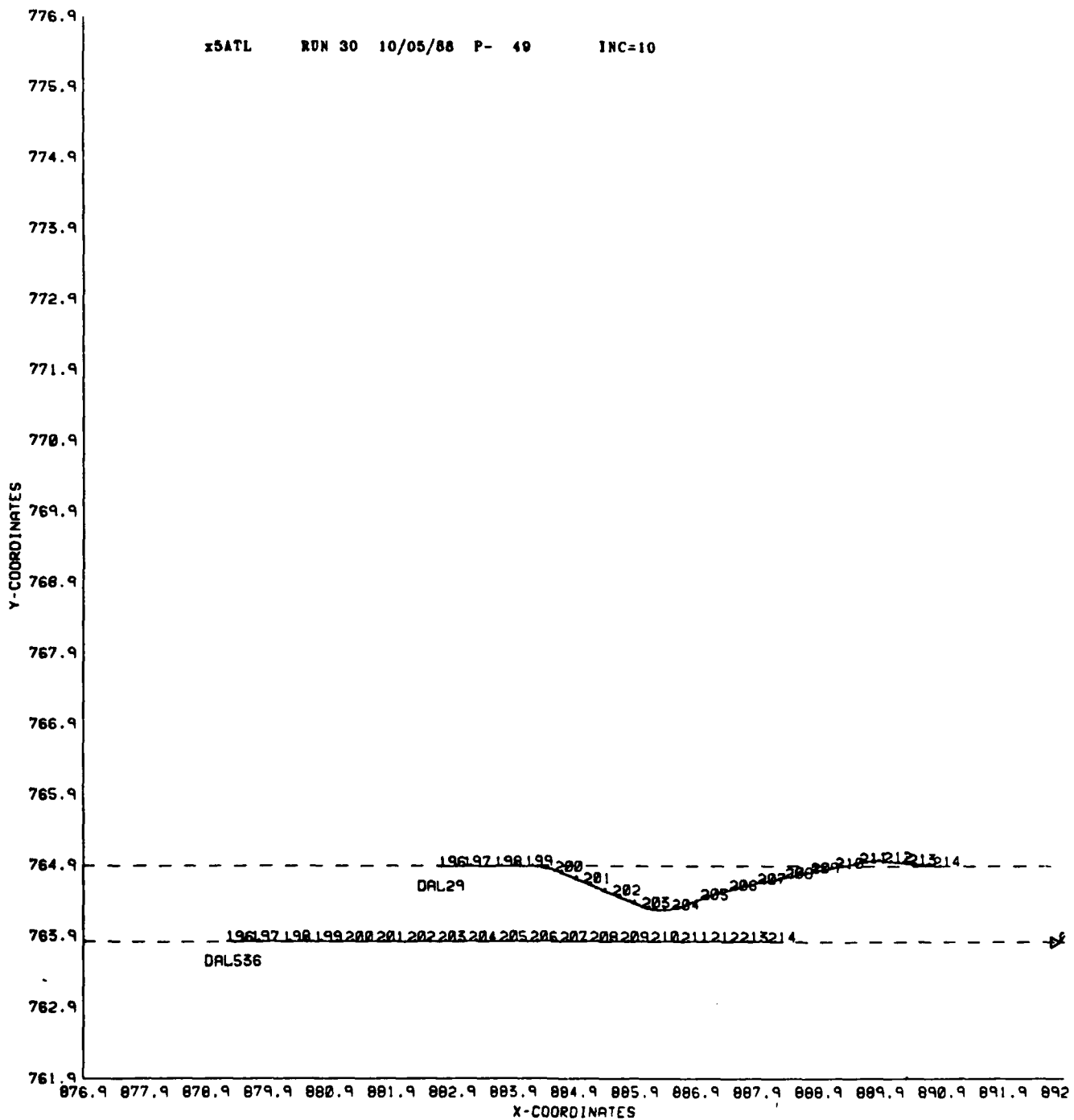
## EMES196 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
183	1832	835.832	764.984	3602.	1067	.00
184	1839	835.983	764.984	3543.	1067	.35
185	1849	836.475	764.985	3374.	1067	.84
186	1859	886.955	764.925	3205.	1060	1.33
187	1869	887.439	764.846	3037.	1000	1.32
188	1879	887.362	764.642	2968.	1000	2.30
189	1889	888.284	764.401	2700.	1000	2.79
190	1899	886.706	764.159	2531.	1000	3.28
191	1909	889.126	763.917	2363.	1000	3.76
192	1919	889.546	763.676	2194.	1000	4.25
193	1929	889.963	763.437	2026.	1000	4.73
194	1939	890.381	763.197	1857.	1000	5.21
195	1949	890.797	762.956	1689.	1000	5.69
196	1959	891.212	762.719	1521.	1000	6.17
197	1969	891.626	762.482	1352.	1000	6.65
198	1979	892.039	762.245	1184.	1000	7.12
199	1989	892.451	762.008	1044.	1000	7.60
200	1999	892.864	761.771	1026.	1000	8.07
201	2009	893.277	761.535	1026.	1000	8.55

## DAL1155 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
183	1832	884.942	763.927	3850.	1060	.00
184	1839	885.291	763.927	3727.	1060	.35
185	1849	885.787	763.927	3551.	1060	.84
186	1859	886.282	763.927	3376.	1060	1.34
187	1869	886.776	763.927	3201.	1060	1.83
188	1879	887.269	763.927	3026.	1060	2.33
189	1889	887.747	763.927	3022.	1062	2.80
190	1899	888.174	763.614	3423.	1000	3.25
191	1909	888.471	763.516	3840.	1000	3.68
192	1919	888.674	763.164	4239.	1000	4.03
193	1929	888.873	762.816	4834.	1000	4.48
194	1939	889.105	762.420	5010.	1000	4.94
195	1949	889.341	761.987	5018.	1000	5.44
196	1959	889.393	761.479	5376.	1000	5.95
197	1969	889.172	760.935	5793.	1000	6.50
198	1979	888.701	760.644	6000.	1000	7.09
199	1989	888.089	760.358	6000.	1000	7.71
200	1999	887.437	760.056	6000.	1000	8.36
201	2009	886.754	760.056	6000.	1000	9.05





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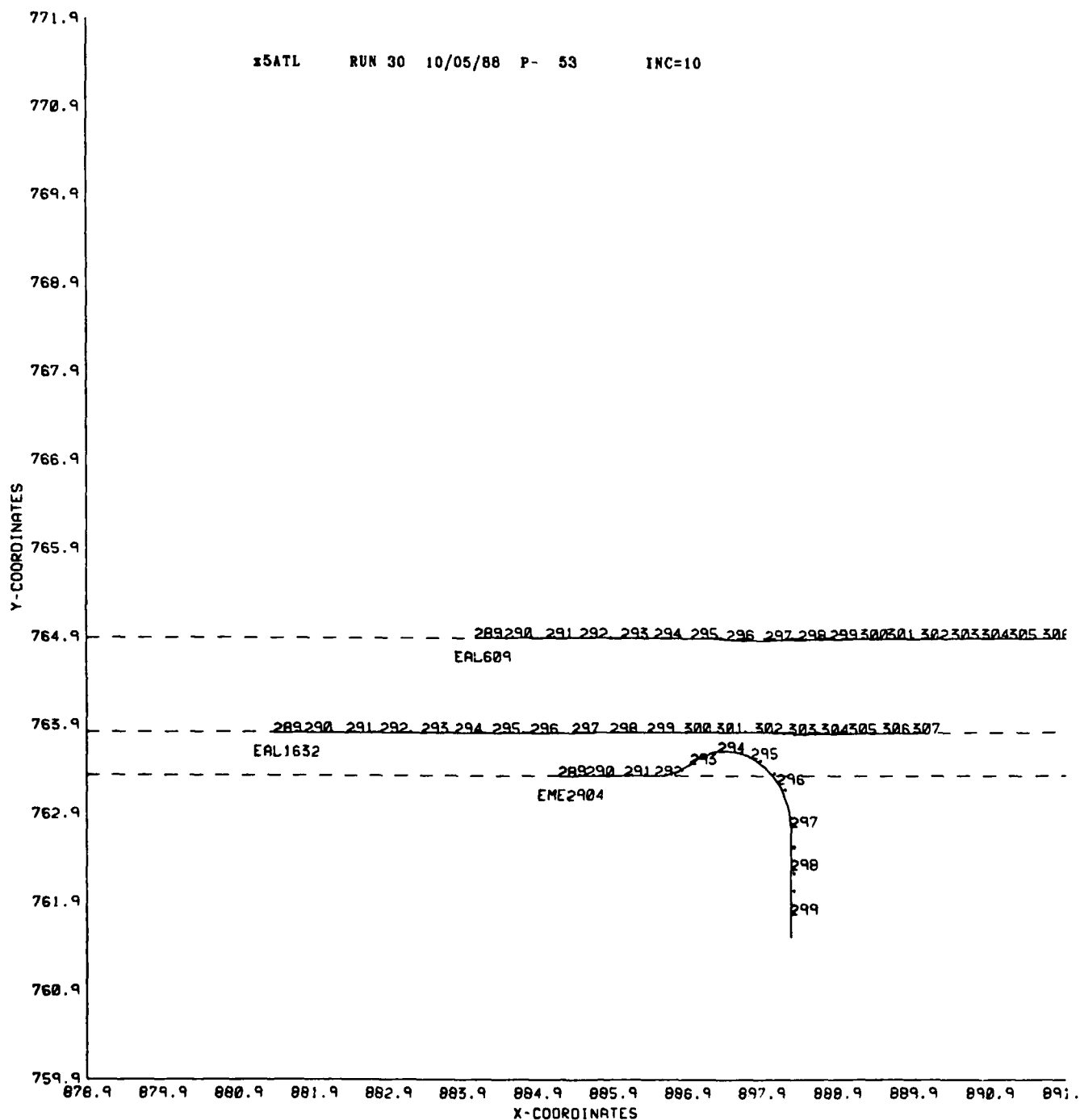
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## DAL29 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
196	1961	882.797	764.933	4531.	1060	.00
197	1969	883.203	764.983	4491.	1060	.41
198	1979	883.711	764.983	4317.	1060	.91
199	1989	884.216	764.986	4143.	1067	1.42
200	1999	884.715	764.922	3969.	1000	1.92
201	2009	885.191	764.757	3795.	1000	2.43
202	2019	885.662	764.536	3622.	1000	2.93
203	2029	886.134	764.416	3448.	1000	3.43
204	2039	886.628	764.386	3303.	1060	3.93
205	2049	887.104	764.530	3166.	1060	4.43
206	2059	887.580	764.656	2996.	1060	4.92
207	2069	888.042	764.751	2833.	1067	5.39
208	2079	888.483	764.832	2673.	1000	5.84
209	2089	888.902	764.906	2513.	1000	6.26
210	2099	889.300	764.976	2353.	1000	6.67
211	2109	889.693	765.044	2193.	1000	7.07
212	2119	890.090	765.062	2033.	1000	7.47
213	2129	890.486	765.026	1872.	1000	7.86
214	2139	890.881	764.993	1712.	1000	8.26

## DAL536 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
196	1961	879.333	763.929	5900.	1060	.00
197	1969	879.748	763.929	5635.	1067	.41
198	1979	880.258	763.929	5474.	1060	.92
199	1989	880.766	763.929	5294.	1060	1.43
200	1999	881.276	763.923	5114.	1060	1.94
201	2009	881.782	763.928	4935.	1060	2.44
202	2019	882.286	763.926	4756.	1067	2.95
203	2029	882.792	763.923	4577.	1067	3.45
204	2039	883.295	763.928	4399.	1060	3.96
205	2049	883.796	763.923	4239.	1060	4.46
206	2059	884.297	763.923	4062.	1060	4.96
207	2069	884.795	763.927	3885.	1067	5.46
208	2079	885.293	763.927	3709.	1060	5.96
209	2089	885.739	763.927	3533.	1060	6.45
210	2099	886.255	763.927	3358.	1060	6.95
211	2109	886.773	763.927	3183.	1060	7.44
212	2119	887.271	763.927	3009.	1060	7.93
213	2129	887.748	763.927	2839.	1060	8.41
214	2139	888.203	763.927	2677.	1060	8.96



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## EME2904 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
289	2891	885.284	763.425	3881.	1060	.00
290	2899	885.651	763.427	3765.	1060	.37
291	2910	886.153	763.429	3606.	1060	.87
292	2919	886.564	763.431	3476.	1060	1.28
293	2929	887.038	763.569	3318.	1000	1.78
294	2939	887.420	763.704	3188.	1000	2.19
295	2949	887.863	763.633	3045.	1000	2.64
296	2959	888.216	763.344	3069.	1000	3.11
297	2970	888.387	762.857	3587.	1000	3.63
298	2980	888.587	762.372	3997.	1000	4.11
299	2989	888.387	761.868	4000.	1000	4.62

## EAL609 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
289	2891	884.175	764.995	4169.	1060	.00
290	2899	884.574	764.994	4032.	1067	.40
291	2910	885.122	764.994	3843.	1060	.95
292	2919	885.569	764.994	3689.	1060	1.39
293	2929	886.114	764.994	3501.	1067	1.94
294	2939	886.559	764.993	3348.	1060	2.38
295	2949	887.052	764.991	3179.	1060	2.88
296	2959	887.538	764.976	3010.	1067	3.36
297	2970	888.047	764.967	2832.	1060	3.87
298	2980	888.486	764.973	2680.	1067	4.31
299	2989	888.902	764.978	2547.	1060	4.73
300	3000	889.303	764.981	2408.	1060	5.13
301	3009	889.664	764.983	2284.	1060	5.49
302	3019	890.104	764.986	2133.	1060	5.93
303	3029	890.502	764.987	1996.	1067	6.33
304	3040	890.900	764.987	1859.	1060	6.73
305	3049	891.299	764.987	1736.	1060	7.08
306	3059	891.694	764.987	1586.	1067	7.52
307	3070	892.090	764.988	1450.	1060	7.92

## EAL1632 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
289	2891	881.476	763.915	5146.	1060	.00
290	2899	881.884	763.915	5001.	1060	.41
291	2910	882.443	763.915	4803.	1060	.97
292	2919	882.900	763.916	4641.	1060	1.42
293	2929	883.456	763.917	4444.	1060	1.98

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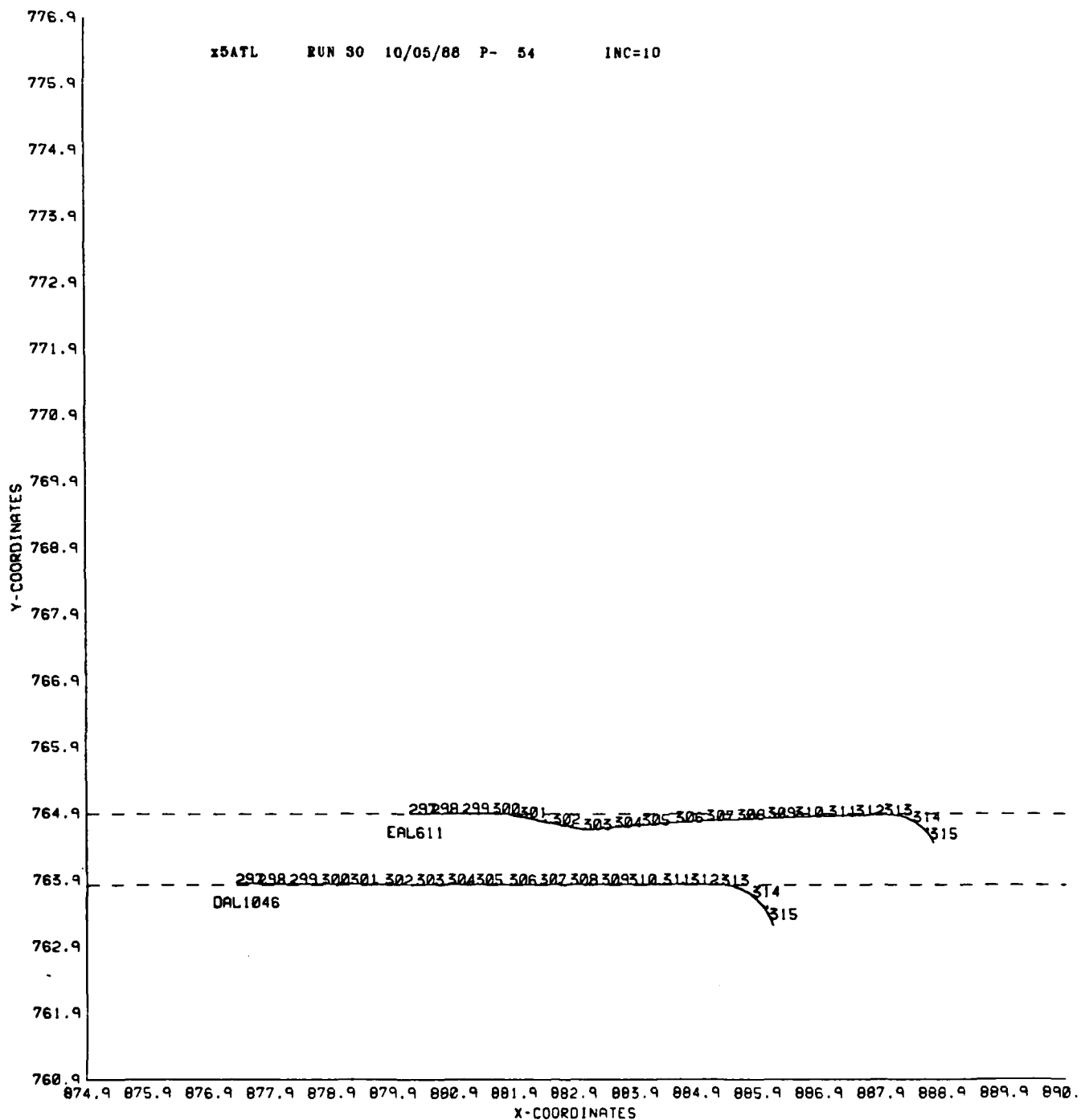
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294	2939	883.911	763.917	4284.	1067	2.43
295	2949	884.414	763.917	4105.	1060	2.94
296	2959	884.916	763.918	3928.	1067	3.44
297	2970	885.466	763.918	3732.	1060	3.99
298	2980	885.965	763.919	3556.	1060	4.49
299	2989	886.463	763.920	3379.	1060	4.99
300	3000	886.959	763.920	3204.	1060	5.48
301	3009	887.403	763.920	3046.	1060	5.93
302	3019	887.923	763.920	2861.	1060	6.45
303	3029	888.371	763.907	2700.	1067	6.90
304	3040	888.797	763.904	2546.	1060	7.32
305	3049	889.162	763.910	2416.	1060	7.69
306	3059	889.602	763.916	2261.	1060	8.13
307	3070	890.002	763.918	2119.	1067	8.53



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## EAL611 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
297	2973	880.289	764.997	4994.	1060	.00
298	2980	880.646	764.997	4994.	1067	.36
299	2989	881.157	764.997	4994.	1060	.87
300	3000	881.667	764.996	4994.	1060	1.38
301	3009	882.123	764.945	4994.	1000	1.84
302	3019	882.676	764.845	4994.	1000	2.40
303	3029	883.180	764.759	4952.	1000	2.91
304	3040	883.684	764.790	4731.	1060	3.42
305	3049	884.135	764.825	4496.	1060	3.87
306	3059	884.685	764.863	4209.	1060	4.42
307	3070	885.185	764.889	4034.	1060	4.92
308	3079	885.686	764.911	3861.	1060	5.42
309	3089	886.185	764.930	3678.	1067	5.92
310	3099	886.632	764.944	3505.	1060	6.37
311	3109	887.173	764.957	3306.	1060	6.92
312	3119	887.616	764.965	3148.	1060	7.35
313	3129	888.081	764.972	2951.	1067	7.82
314	3139	888.543	764.863	2804.	1000	8.30
315	3149	888.823	764.616	2660.	1000	8.88

## DAL1046 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
297	2973	877.450	763.941	5994.	1067	.00
298	2980	877.814	763.940	5994.	1067	.36
299	2989	878.334	763.937	5994.	1060	.88
300	3000	878.854	763.935	5994.	1067	1.40
301	3009	879.321	763.933	5927.	1060	1.87
302	3019	879.888	763.900	5727.	1060	2.44
303	3029	880.402	763.929	5545.	1060	2.95
304	3040	880.915	763.929	5363.	1067	3.46
305	3049	881.375	763.925	5200.	1060	3.92
306	3059	881.936	763.926	5001.	1060	4.49
307	3070	882.445	763.925	4821.	1067	4.99
308	3079	882.952	763.923	4641.	1060	5.50
309	3089	883.458	763.925	4462.	1067	6.01
310	3099	883.912	763.926	4301.	1060	6.46
311	3109	884.466	763.927	4105.	1060	7.02
312	3119	884.917	763.927	3945.	1060	7.47
313	3129	885.418	763.927	3768.	1060	7.97
314	3139	885.926	763.745	3573.	1000	8.52
315	3149	886.216	763.407	3414.	1000	8.97

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## EAL674 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
311	3111	883.107	764.983	4585.	1060	.00
312	3119	883.507	764.983	4448.	1060	.40
313	3129	884.005	764.984	4276.	1060	.90
314	3139	884.551	764.965	4088.	1000	1.45
315	3149	884.975	764.824	3934.	1000	1.89
316	3159	885.434	764.641	3763.	1000	2.39
317	3169	885.937	764.439	3575.	1000	2.93
318	3179	886.348	764.275	3422.	1000	3.37
319	3189	886.804	764.092	3251.	1000	3.86
320	3199	887.259	763.908	3080.	1000	4.35
321	3209	887.692	763.735	2579.	1000	4.82
322	3219	888.087	763.576	1746.	1000	5.25
323	3229	888.476	763.420	912.	1000	5.66
324	3239	888.921	763.242	212.	1000	6.14
325	3249	889.312	763.084	101.	1000	6.57
326	3260	889.793	762.891	100.	1000	7.08
327	3269	890.187	762.733	100.	1000	7.51
328	3279	890.624	762.557	100.	1000	7.98
329	3289	891.104	762.364	100.	1000	8.50

## EME3180 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
311	3111	883.050	763.419	3994.	1067	.00
312	3119	883.421	763.420	3994.	1060	.37
313	3129	883.885	763.420	3994.	1060	.83
314	3139	884.395	763.421	3994.	1060	1.35
315	3149	884.809	763.439	3895.	1000	1.76
316	3159	885.215	763.647	3749.	1000	2.22
317	3169	885.474	764.074	3588.	1000	2.73
318	3179	885.582	764.485	3457.	1000	3.14
319	3189	885.502	764.943	3311.	1000	3.60
320	3199	885.502	765.399	3166.	1000	4.06
321	3209	885.502	765.856	3020.	1000	4.51
322	3219	885.502	766.310	2874.	1000	4.97
323	3229	885.502	766.764	2728.	1000	5.42
324	3239	885.502	767.262	2568.	1000	5.92
325	3249	885.502	767.669	2437.	1000	6.33
326	3260	885.502	768.166	2276.	1000	6.82
327	3269	885.502	768.570	2145.	1000	7.23
328	3279	885.502	769.019	1999.	1000	7.68
329	3289	885.502	769.512	1839.	1000	8.17

## DAL709 ACTUAL FLIGHT:



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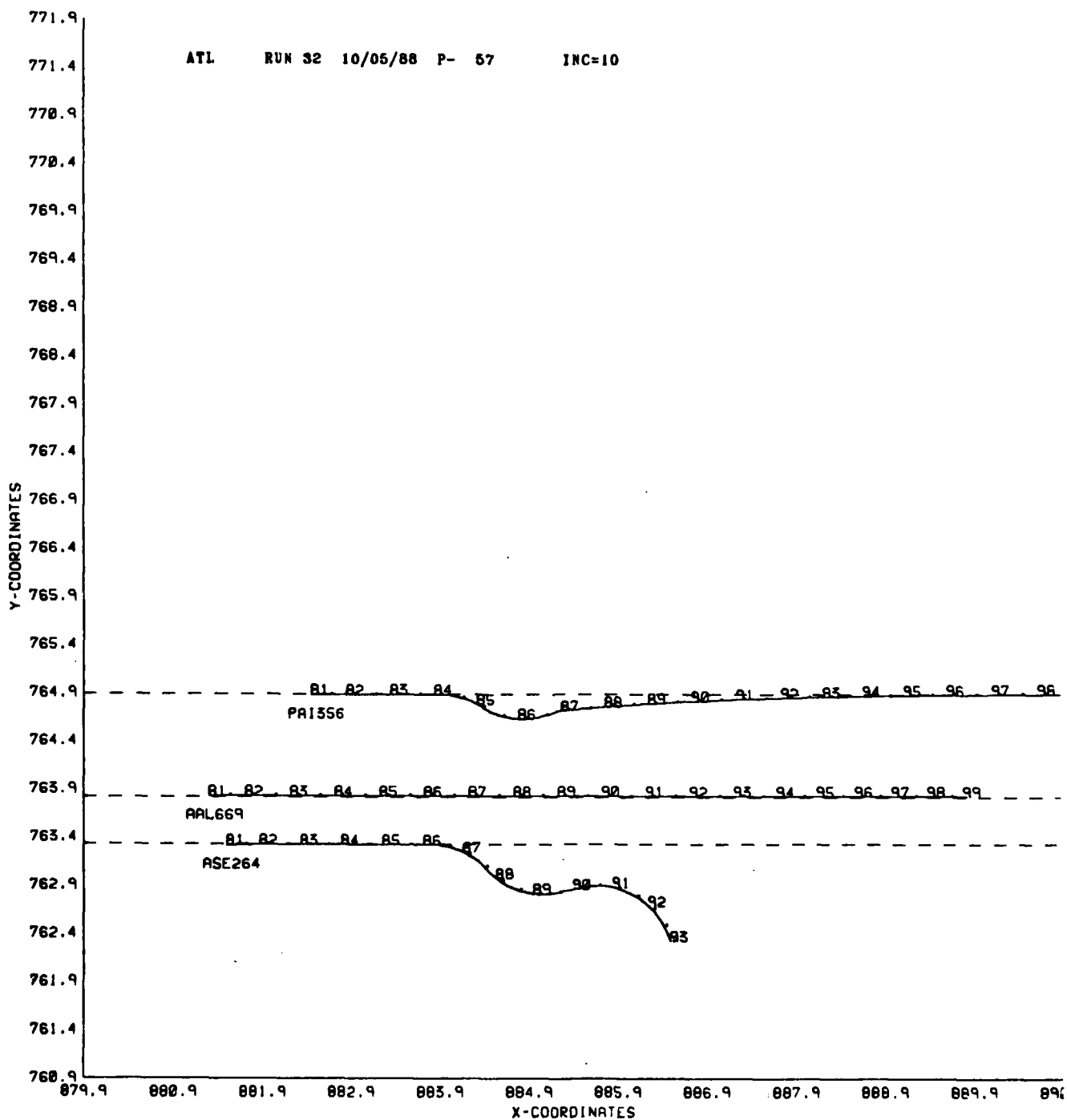
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INC	TIME	X	Y	ALT	TRACK	DISTANCE
311	3111	880.296	763.929	5459.	1060	.00
312	3119	880.701	763.929	5316.	1060	.41
313	3129	881.207	763.929	5137.	1067	.91
314	3139	881.761	763.928	4940.	1060	1.47
315	3149	882.214	763.928	4780.	1067	1.92
316	3159	882.715	763.928	4602.	1060	2.42
317	3169	883.266	763.928	4425.	1060	2.97
318	3179	883.715	763.928	4266.	1060	3.42
319	3189	884.213	763.928	4090.	1060	3.92
320	3199	884.709	763.927	3914.	1067	4.41
321	3209	885.204	763.927	3738.	1060	4.91
322	3219	885.698	763.927	3563.	1067	5.40
323	3229	886.191	763.927	3389.	1060	5.90
324	3239	886.731	763.927	3198.	1060	6.44
325	3249	887.173	763.927	3041.	1060	6.88
326	3260	887.699	763.927	2855.	1060	7.40
327	3269	888.108	763.927	2709.	1060	7.81
328	3279	888.542	763.927	2553.	1067	8.25
329	3289	888.993	763.927	2405.	1060	8.70



4TL

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## PA1350 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
81	811	882.541	764.983	4724.	1060	.00
82	819	882.939	764.983	4587.	1060	.40
83	829	883.436	764.983	4410.	1060	.90
84	839	883.931	764.983	4246.	1067	1.39
85	849	884.410	764.883	4076.	1000	1.89
86	859	884.374	764.733	3906.	1000	2.38
87	869	885.350	764.610	3763.	1060	2.87
88	879	885.845	764.857	3594.	1067	3.36
89	889	886.333	764.691	3426.	1060	3.85
90	899	886.822	764.915	3258.	1060	4.34
91	909	887.325	764.936	3085.	1060	4.84
92	919	887.821	764.951	2914.	1060	5.34
93	929	888.293	764.963	2743.	1067	5.81
94	939	888.743	764.971	2591.	1060	6.26
95	949	889.193	764.976	2437.	1067	6.72
96	959	889.681	764.983	2275.	1060	7.20
97	969	890.139	764.935	2101.	1060	7.71
98	979	890.702	764.936	1925.	1060	8.22
99	989	891.212	764.990	1749.	1067	8.73

## ASE264 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
81	811	881.594	763.418	3994.	1067	.00
82	819	881.963	763.420	3994.	1067	.37
83	829	882.423	763.421	3994.	1060	.83
84	839	882.836	763.421	3994.	1060	1.29
85	849	883.348	763.421	3994.	1060	1.75
86	859	883.879	763.421	3994.	1060	2.21
87	869	884.260	763.346	3994.	1000	2.68
88	879	884.623	763.074	3964.	1060	3.14
89	889	885.043	762.914	3715.	1060	3.59
90	899	885.496	762.960	3465.	1060	4.04
91	909	885.943	762.982	3215.	1000	4.50
92	919	886.343	762.788	2965.	1000	4.94
93	929	886.592	762.413	2500.	1000	5.40

## AAL669 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
81	811	881.401	763.926	5186.	1060	.00
82	819	881.807	763.923	5042.	1060	.41
83	829	882.313	763.923	4883.	1060	.91

03/05/89

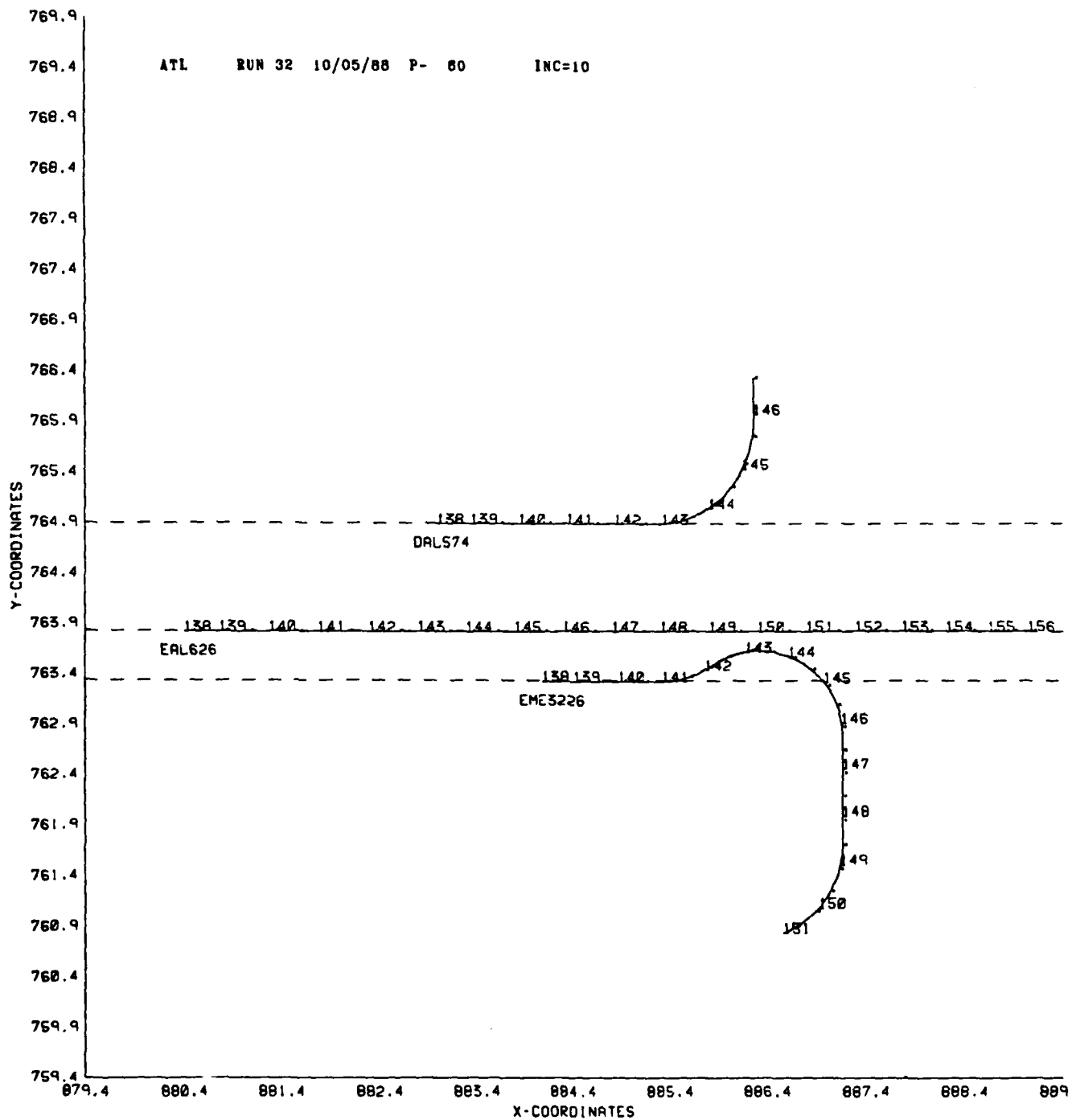
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TASK # 20000140

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GCULD C.S.D. MPX-1

84	339	382.818	763.923	4684.	1060	1.42
85	849	383.321	763.926	4506.	1060	1.92
86	359	383.624	763.923	4328.	1060	2.42
87	869	384.324	763.926	4151.	1060	2.92
88	879	384.824	763.927	3974.	1060	3.42
89	889	385.328	763.927	3797.	1067	3.92
90	899	385.319	763.927	3621.	1067	4.42
91	909	386.315	763.927	3446.	1060	4.91
92	919	386.809	763.927	3271.	1060	5.41
93	929	387.302	763.927	3096.	1060	5.90
94	939	387.777	763.927	2927.	1060	6.38
95	949	388.250	763.927	2756.	1060	6.83
96	959	388.561	763.927	2612.	1060	7.26
97	969	889.069	763.927	2467.	1060	7.67
98	979	889.469	763.927	2325.	1060	8.07
99	989	889.370	763.926	2154.	1060	8.47



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18:19:20

TASK # 20000140

OP.PR

GCULD C.S.D. MPX-

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## EME3226 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
133	1382	884.178	763.420	3994.	1060	.00
139	1389	884.501	763.421	3994.	1060	.32
140	1399	884.960	763.421	3852.	1067	.78
141	1409	885.418	763.421	3707.	1060	1.24
142	1419	885.854	763.538	3562.	1000	1.70
143	1429	886.270	763.716	3418.	1000	2.15
144	1439	886.713	763.671	3143.	1000	2.60
145	1449	887.069	763.414	2810.	1000	3.05
146	1459	887.249	763.013	2513.	1000	3.49
147	1469	887.259	762.561	2518.	1000	3.94
148	1479	887.259	762.092	2823.	1000	4.41
149	1489	887.240	761.609	3157.	1000	4.90
150	1499	887.021	761.179	3490.	1000	5.39
151	1509	886.661	760.932	3790.	1000	5.83

## DAL574 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
138	1382	883.089	764.983	4536.	1060	.00
139	1389	883.436	764.983	4416.	1067	.35
140	1399	883.931	764.983	4246.	1060	.84
141	1409	884.426	764.984	4076.	1060	1.34
142	1419	884.919	764.984	3906.	1060	1.83
143	1429	885.410	764.984	3737.	1067	2.32
144	1439	885.885	765.140	3896.	1000	2.83
145	1449	886.233	765.531	4313.	1000	3.36
146	1459	886.347	766.076	4730.	1000	3.92

## EAL626 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
138	1382	880.700	763.914	5399.	1060	.00
139	1389	880.859	763.915	5272.	1060	.36
140	1399	881.369	763.915	5091.	1060	.87
141	1409	881.879	763.915	4911.	1060	1.38
142	1419	882.386	763.916	4731.	1060	1.89
143	1429	882.892	763.916	4534.	1062	2.39
144	1439	883.386	763.917	4123.	1062	2.89
145	1449	883.888	763.917	3994.	1060	3.39
146	1459	884.391	763.917	3994.	1067	3.89
147	1469	884.894	763.917	3994.	1060	4.39
148	1479	885.394	763.918	3822.	1060	4.89
149	1489	885.895	763.919	3645.	1060	5.39

03/06/89

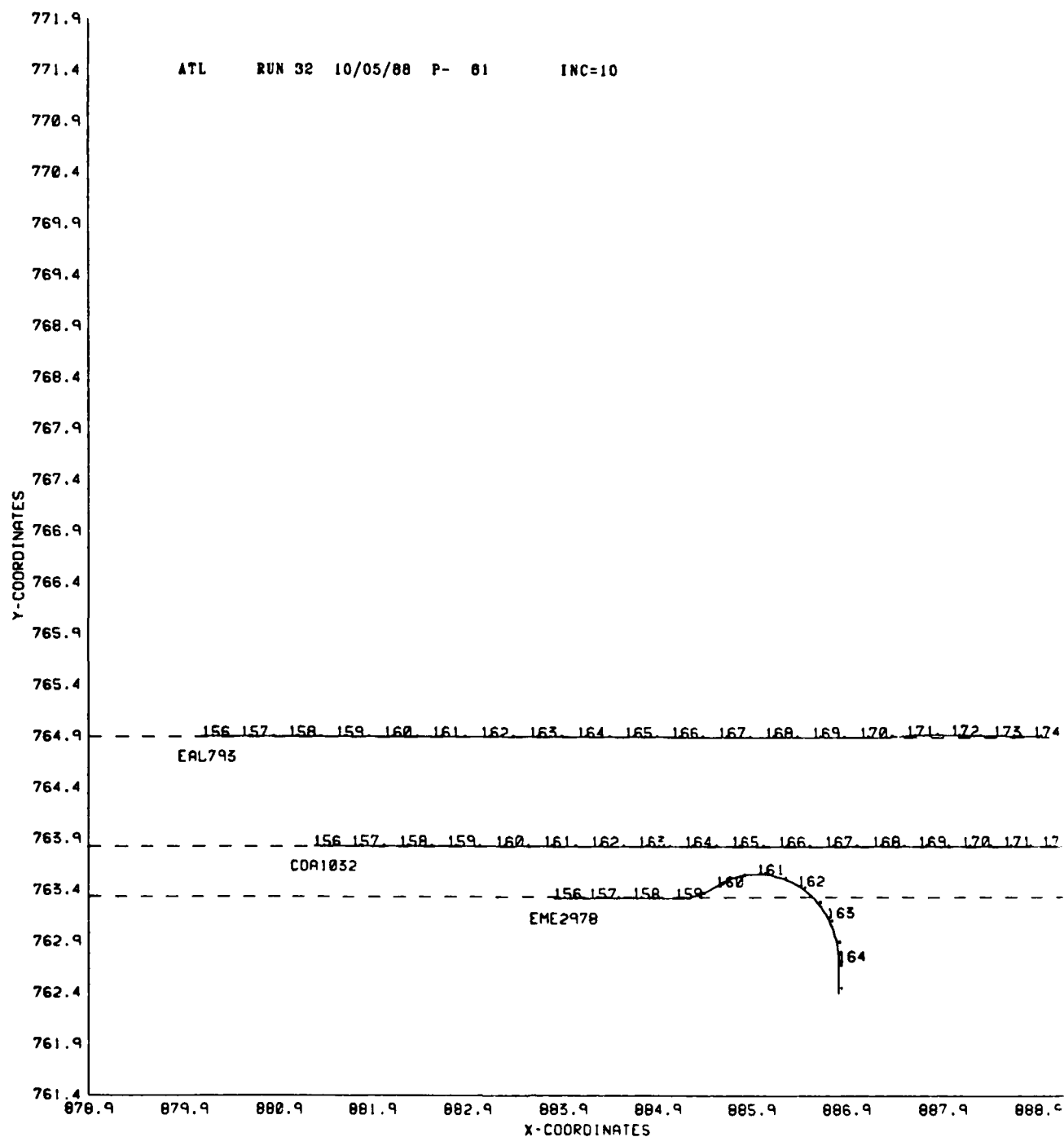
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TASK # 20000140

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GCULD C.S.D. MPX-

150	1499	886.393	763.919	3469.	1067	5.89
151	1509	886.890	763.921	3293.	1060	6.39
152	1519	887.383	763.923	3117.	1060	6.68
153	1529	887.857	763.924	2943.	1060	7.36
154	1539	888.309	763.924	2776.	1060	7.81
155	1549	888.737	763.924	2611.	1060	8.24
156	1559	889.143	763.924	2454.	1060	8.64





ATL

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## EME2978 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
156	1561	883.901	763.420	3994.	1060	.00
157	1569	884.271	763.420	3994.	1060	.37
158	1579	884.731	763.421	3924.	1060	.83
159	1589	885.190	763.421	3779.	1060	1.29
160	1599	885.626	763.538	3635.	1000	1.75
161	1609	886.059	763.658	3454.	1000	2.20
162	1619	886.487	763.545	3121.	1000	2.65
163	1629	886.798	763.235	2787.	1000	3.09
164	1639	886.913	762.810	2514.	1000	3.54

## COA1032 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
156	1561	881.375	763.928	5078.	1060	.00
157	1569	881.781	763.928	4934.	1060	.41
158	1579	882.286	763.928	4755.	1067	.91
159	1589	882.790	763.928	4577.	1060	1.41
160	1599	883.293	763.928	4399.	1067	1.92
161	1609	883.794	763.928	4239.	1060	2.42
162	1619	884.295	763.928	4062.	1060	2.92
163	1629	884.793	763.927	3885.	1060	3.42
164	1639	885.291	763.927	3709.	1060	3.92
165	1649	885.787	763.927	3533.	1060	4.41
166	1659	886.283	763.927	3358.	1067	4.91
167	1669	886.776	763.927	3183.	1060	5.40
168	1679	887.269	763.927	3008.	1060	5.89
169	1689	887.746	763.927	2839.	1060	6.37
170	1699	888.201	763.927	2677.	1060	6.83
171	1709	888.633	763.927	2523.	1060	7.26
172	1719	889.062	763.927	2377.	1060	7.67
173	1729	889.483	763.927	2236.	1060	8.07
174	1739	889.912	763.926	2094.	1060	8.47

## EAL793 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
156	1561	880.187	764.994	4994.	1067	.00
157	1569	880.595	764.994	4994.	1060	.41
158	1579	881.106	764.994	4994.	1067	.92
159	1589	881.616	764.994	4994.	1060	1.43
160	1599	882.125	764.994	4877.	1067	1.94
161	1609	882.632	764.994	4702.	1067	2.45
162	1619	883.138	764.994	4528.	1060	2.95

03/06/89

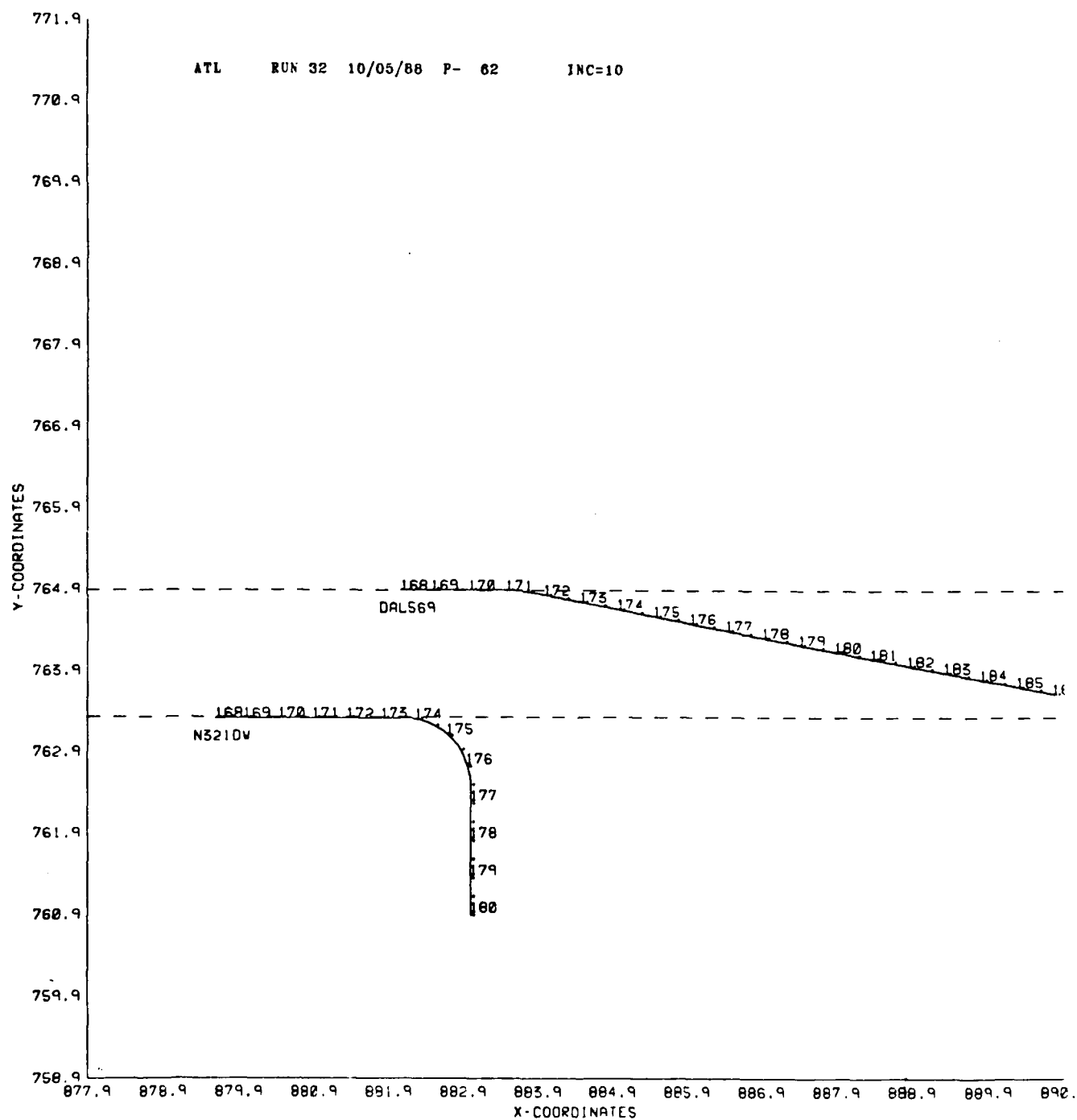
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TASK # 2000014D

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163	1629	883.643	764.994	4355.	1060	3.46
164	1639	884.146	764.994	4182.	1060	3.96
165	1649	884.648	764.994	4009.	1060	4.46
166	1659	885.148	764.994	3837.	1060	4.96
167	1669	885.648	764.994	3665.	1060	5.46
168	1679	886.146	764.993	3494.	1060	5.96
169	1689	886.643	764.993	3323.	1060	6.46
170	1699	887.138	764.993	3152.	1060	6.95
171	1709	887.625	765.008	2983.	1067	7.44
172	1719	888.089	765.013	2820.	1060	7.90
173	1729	888.531	765.006	2668.	1060	8.34
174	1739	888.949	765.001	2523.	1060	8.76



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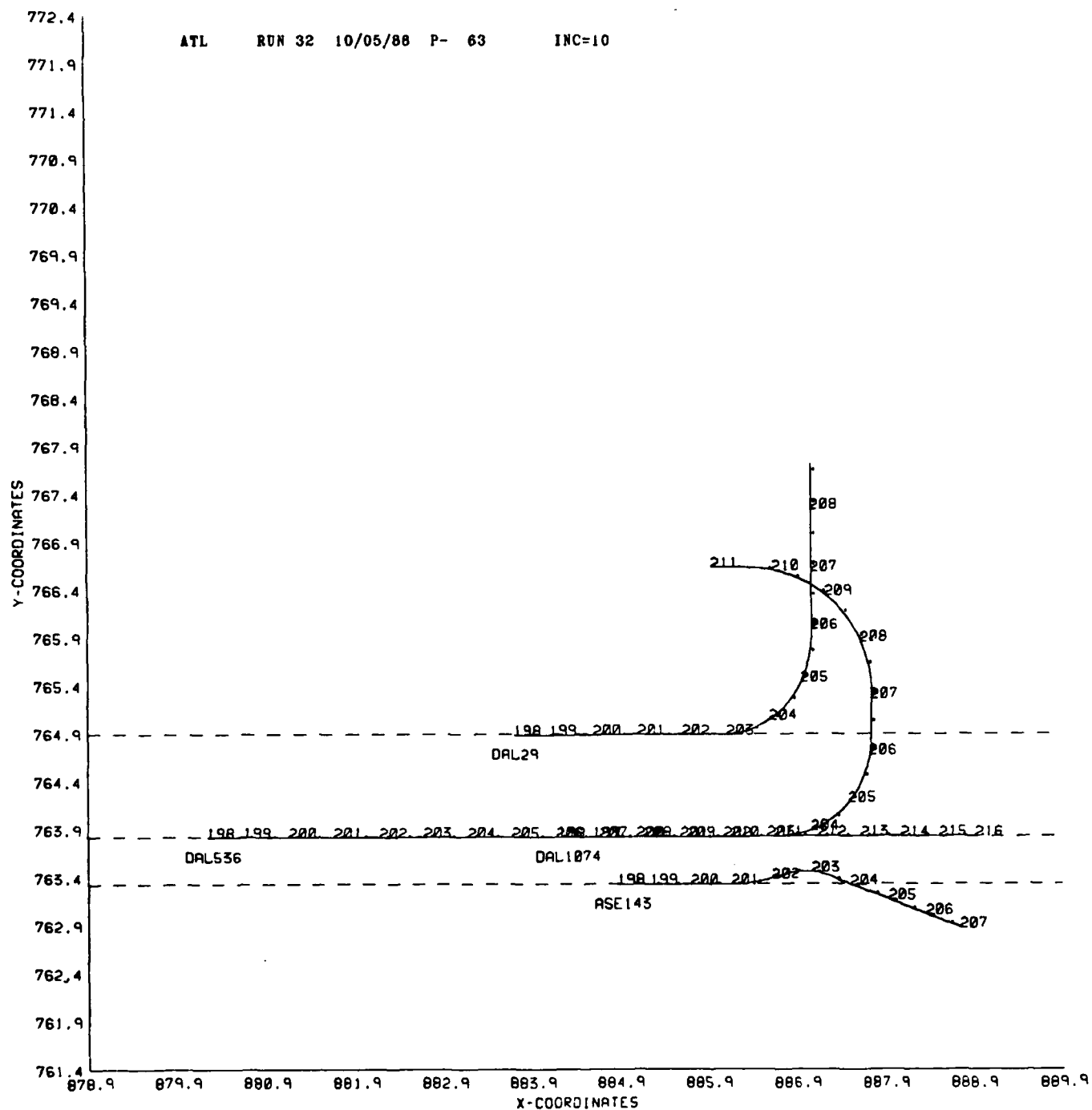
DATE OF RUN 10/05/88 RUN - 32 PLOT- 62

## DAL569 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
166	1661	882.165	764.996	4300.	1067	.00
169	1689	882.569	764.996	4721.	1060	.40
170	1699	883.072	764.995	4548.	1060	.91
171	1709	883.574	764.995	4376.	1060	1.41
172	1719	884.070	764.936	4203.	1000	1.91
173	1729	884.562	764.848	4031.	1000	2.41
174	1739	885.052	764.760	3858.	1000	2.91
175	1749	885.541	764.672	3686.	1000	3.40
176	1759	886.029	764.584	3514.	1000	3.90
177	1769	886.515	764.497	3341.	1000	4.39
178	1779	887.001	764.409	3169.	1000	4.89
179	1789	887.485	764.323	2997.	1000	5.38
180	1799	887.968	764.235	2824.	1000	5.87
181	1809	888.449	764.152	2652.	1000	6.36
182	1819	888.930	764.067	2479.	1000	6.85
183	1829	889.409	763.981	2307.	1000	7.33
184	1839	889.888	763.896	2135.	1000	7.82
185	1849	890.367	763.811	1962.	1000	8.30
186	1859	890.844	763.725	1790.	1000	8.79

## N521DW ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
168	1621	879.697	763.417	3994.	1060	.00
169	1639	880.064	763.417	3994.	1060	.57
170	1699	880.523	763.417	3994.	1067	.83
171	1709	880.982	763.418	3994.	1067	1.29
172	1719	881.441	763.418	3994.	1060	1.74
173	1729	881.900	763.418	3994.	1067	2.20
174	1739	882.358	763.419	3994.	1000	2.66
175	1749	882.772	763.227	3994.	1000	3.12
176	1759	883.040	762.861	3994.	1000	3.58
177	1769	883.097	762.410	3994.	1000	4.04
178	1779	883.097	761.951	3994.	1000	4.50
179	1789	883.097	761.492	3994.	1000	4.95
180	1799	883.097	761.035	3994.	1000	5.41



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DATE OF RUN 10/05/88 RUN - 32 PLOT- 63

## ASE143 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
198	1981	884.982	763.423	3894.	1060	.00
199	1989	885.353	763.423	3777.	1060	.37
200	1999	885.816	763.423	3631.	1060	.83
201	2007	886.278	763.423	3495.	1060	1.30
202	2019	886.733	763.483	3339.	1000	1.76
203	2029	887.184	763.550	3193.	1000	2.22
204	2039	887.619	763.418	2969.	1000	2.67
205	2049	888.045	763.263	2719.	1000	3.13
206	2059	888.471	763.109	2505.	1000	3.58
207	2069	888.858	762.963	2500.	1000	3.90

## DAL1074 ACTUAL FLIGHT:

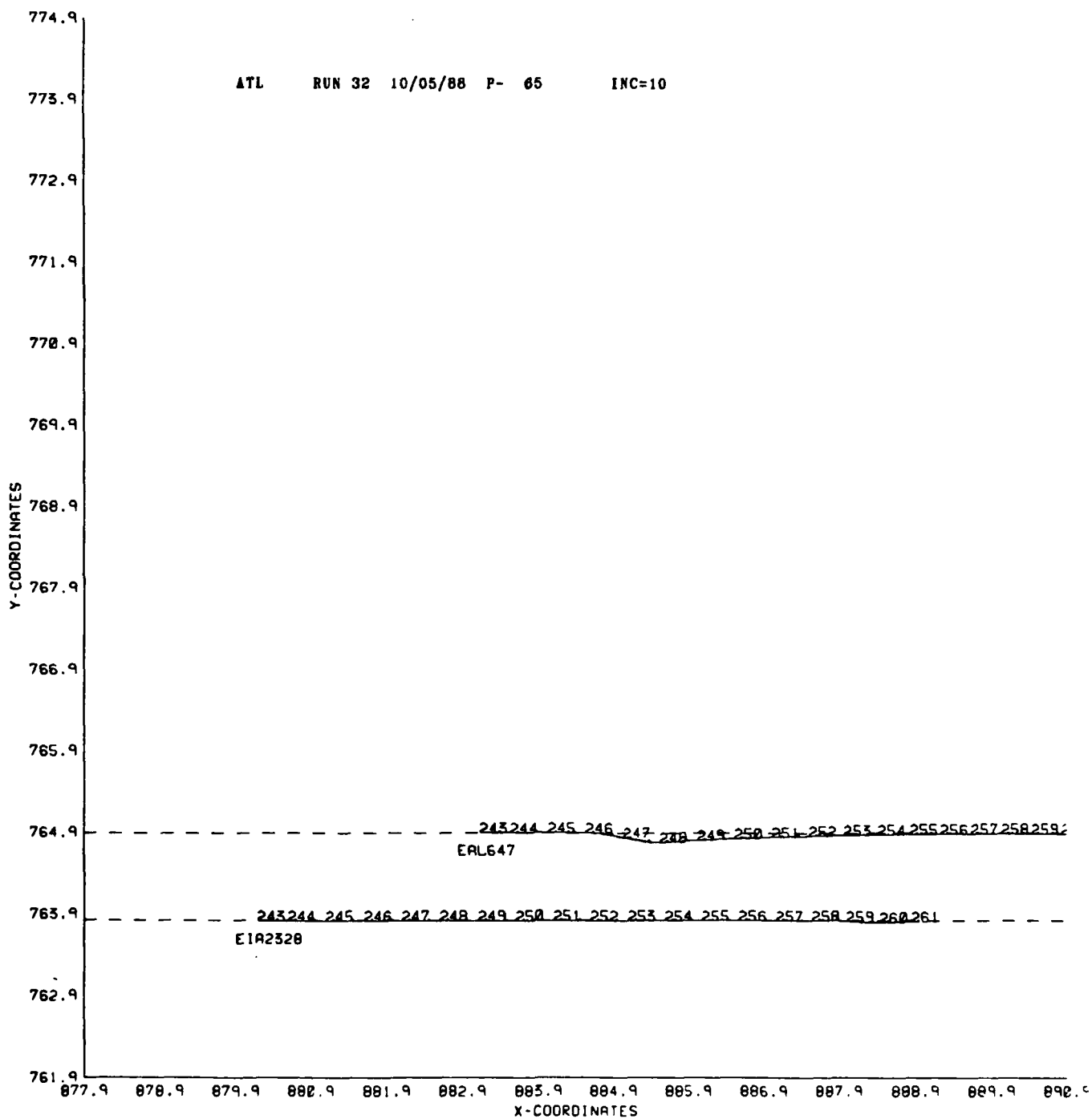
INC	TIME	X	Y	ALT	TRACK	DISTANCE
198	1981	884.312	763.917	4055.	1060	.00
199	1989	884.700	763.917	3914.	1067	.40
200	1999	885.204	763.918	3738.	1060	.89
201	2009	885.693	763.918	3564.	1067	1.39
202	2019	886.191	763.920	3389.	1067	1.88
203	2029	886.682	763.922	3215.	1060	2.37
204	2039	887.176	763.986	3257.	1000	2.87
205	2049	887.630	764.231	3669.	1000	3.39
206	2059	887.834	764.777	4085.	1000	3.95
207	2069	887.851	765.365	4502.	1000	4.54
208	2079	887.732	765.960	4913.	1000	5.15
209	2089	887.333	766.444	5000.	1000	5.78
210	2099	886.740	766.707	5000.	1000	6.44
211	2109	886.054	766.731	5000.	1000	7.13

## DAL29 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
198	1981	883.812	764.983	4282.	1067	.00
199	1989	884.216	764.984	4143.	1060	.40
200	1999	884.721	764.984	3969.	1060	.91
201	2009	885.224	764.984	3796.	1060	1.41
202	2019	885.726	764.985	3623.	1060	1.91
203	2029	886.226	764.985	3469.	1067	2.41
204	2039	886.710	765.144	3626.	1000	2.93
205	2049	887.061	765.536	4125.	1000	3.46
206	2059	887.175	766.083	4625.	1000	4.07
207	2069	887.175	766.697	4999.	1000	4.64
208	2079	887.175	767.340	5000.	1000	5.19

## DAL536 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
193	1951	580.355	763.914	5438.	1060	.00
199	1959	580.762	763.914	5294.	1060	.41
200	1959	581.270	763.915	5114.	1060	.92
201	2009	581.777	763.915	4935.	1067	1.42
202	2019	582.262	763.916	4756.	1060	1.93
203	2029	582.736	763.916	4595.	1067	2.43
204	2039	583.269	763.916	4417.	1060	2.93
205	2049	583.791	763.917	4239.	1060	3.44
206	2059	584.291	763.917	4062.	1060	3.94
207	2069	584.790	763.918	3885.	1067	4.44
208	2079	585.288	763.918	3709.	1060	4.93
209	2089	585.784	763.919	3533.	1060	5.43
210	2099	586.279	763.919	3358.	1060	5.92
211	2109	586.772	763.924	3183.	1067	6.42
212	2119	587.265	763.928	3008.	1060	6.91
213	2129	587.743	763.927	2839.	1067	7.39
214	2139	588.197	763.927	2673.	1060	7.84
215	2149	588.629	763.927	2519.	1067	8.27
216	2159	589.039	763.927	2335.	1060	8.68





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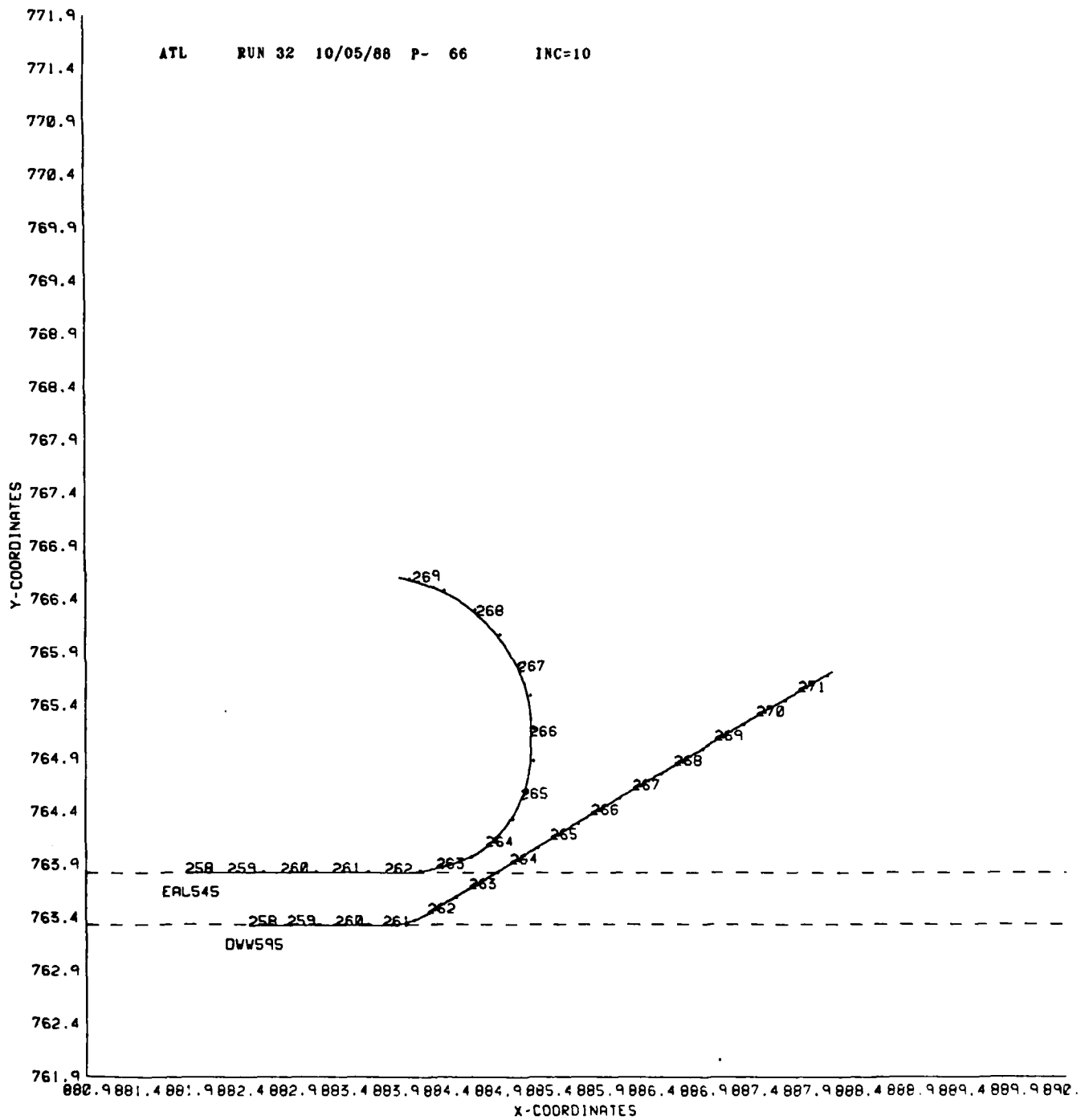
DATE OF RUN 10/05/88 RUN - 32 PLOT- 65

## EAL647 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
243	2431	883.239	764.995	4494.	1067	.00
244	2439	883.545	764.995	4355.	1060	.40
245	2449	884.145	764.995	4182.	1060	.91
246	2459	884.545	764.994	4009.	1067	1.41
247	2467	885.144	764.935	3837.	1000	1.91
248	2479	885.533	764.879	3658.	1060	2.41
249	2489	886.136	764.905	3487.	1060	2.91
250	2499	886.532	764.926	3316.	1060	3.40
251	2509	887.127	764.942	3145.	1060	3.90
252	2519	887.514	764.955	2977.	1060	4.39
253	2529	888.078	764.965	2833.	1060	4.85
254	2539	888.520	764.972	2678.	1067	5.29
255	2549	888.938	764.977	2532.	1067	5.71
256	2559	889.340	764.982	2391.	1060	6.11
257	2569	889.741	764.984	2253.	1067	6.51
258	2579	890.141	764.985	2116.	1060	6.91
259	2589	890.539	764.987	1978.	1060	7.31
260	2599	890.937	764.987	1842.	1060	7.71
261	2609	891.335	764.987	1705.	1060	8.11

## EIA2328 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
243	2431	880.295	763.914	5459.	1060	.00
244	2439	880.701	763.914	5316.	1060	.41
245	2449	881.207	763.915	5137.	1060	.91
246	2459	881.711	763.915	4958.	1060	1.42
247	2469	882.214	763.915	4780.	1060	1.92
248	2479	882.715	763.915	4603.	1067	2.42
249	2489	883.216	763.916	4443.	1060	2.92
250	2499	883.715	763.917	4266.	1060	3.42
251	2509	884.213	763.917	4090.	1067	3.92
252	2519	884.709	763.918	3914.	1060	4.41
253	2529	885.204	763.918	3739.	1067	4.91
254	2539	885.696	763.918	3564.	1060	5.40
255	2549	886.191	763.919	3389.	1060	5.90
256	2559	886.682	763.920	3215.	1060	6.39
257	2569	887.173	763.920	3042.	1067	6.88
258	2579	887.652	763.920	2871.	1060	7.36
259	2589	888.105	763.912	2708.	1067	7.81
260	2599	888.541	763.902	2551.	1060	8.25
261	2609	888.953	763.909	2419.	1060	8.66



03/06/89

18:19:20

TASK # 20007140

OP.PR

GOULD C.S.D. MPX-2

ATL

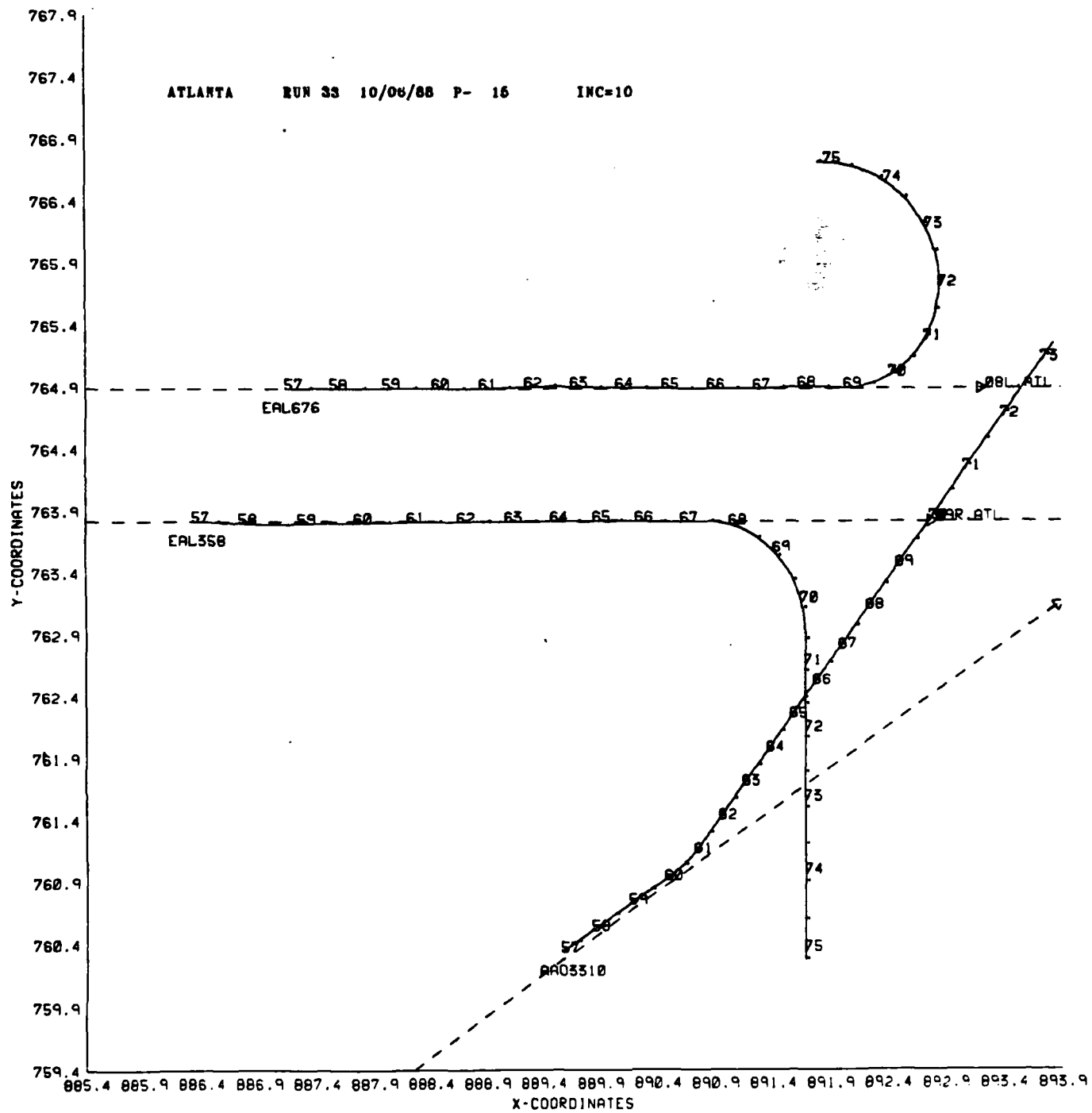
DATE OF RUN 10/05/88 RUN - 32 PLOT- 66

## DWW595 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
258	2581	882.536	763.419	3994.	1060	.00
259	2589	882.557	763.420	3994.	1060	.37
260	2599	883.421	763.420	3994.	1067	.83
261	2609	883.885	763.420	3994.	1060	1.30
262	2619	884.327	763.539	3994.	1000	1.76
263	2629	884.727	763.772	3994.	1000	2.23
264	2639	885.127	764.004	3994.	1000	2.69
265	2649	885.528	764.236	3994.	1000	3.15
266	2659	885.928	764.468	3994.	1000	3.61
267	2669	886.329	764.699	3994.	1000	4.08
268	2679	886.729	764.931	3994.	1000	4.54
269	2689	887.129	765.163	3994.	1000	5.00
270	2699	887.530	765.395	3994.	1000	5.46
271	2709	887.930	765.627	3994.	1000	5.93

## EAL545 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
258	2581	881.980	763.915	4875.	1067	.00
259	2589	882.386	763.917	4731.	1060	.41
260	2599	882.893	763.917	4552.	1060	.91
261	2609	883.398	763.917	4373.	1060	1.42
262	2619	883.902	763.917	4194.	1067	1.92
263	2629	884.411	763.961	4184.	1000	2.43
264	2639	884.896	764.170	4584.	1000	2.97
265	2649	885.235	764.616	4964.	1000	3.53
266	2659	885.323	765.206	5321.	1000	4.13
267	2669	885.203	765.821	5738.	1000	4.77
268	2679	884.798	766.349	5993.	1000	5.44
269	2689	884.175	766.671	6000.	1000	6.15



03/23/89

12:43:50

TASK # 0700013C

ALGEO

GCULD C.S.D. MPX-

10/0

DATE OF RUN 6/8833

RUN -

15

PLOT-

## AA03310 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
57	571	889.665	760.445	2697.	1060	.00
58	579	889.938	760.620	2591.	1060	.32
59	589	890.262	760.828	2465.	1060	.71
60	599	890.567	761.025	2347.	1060	1.07
61	609	890.830	761.247	2233.	1000	1.42
62	619	891.041	761.517	2119.	1000	1.76
63	629	891.248	761.791	2005.	1000	2.10
64	639	891.454	762.062	1891.	1000	2.44
65	649	891.659	762.333	1777.	1000	2.78
66	659	891.865	762.606	1699.	1000	3.13
67	669	892.084	762.895	1985.	1000	3.49
68	679	892.323	763.209	2319.	1000	3.88
69	689	892.583	763.553	2652.	1000	4.31
70	699	892.866	763.927	2967.	1000	4.78
71	709	893.170	764.328	3000.	1000	5.29
72	719	893.494	764.754	3000.	1000	5.82
73	729	893.838	765.208	3000.	1000	6.39

## EAL676 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
57	571	887.238	764.993	3118.	1060	.00
58	579	887.625	764.991	2984.	1060	.39
59	589	888.089	764.991	2824.	1060	.85
60	599	888.531	764.991	2671.	1060	1.29
61	609	888.950	764.991	2526.	1060	1.71
62	619	889.351	765.008	2387.	1067	2.11
63	629	889.752	765.006	2249.	1060	2.51
64	639	890.152	764.999	2111.	1067	2.92
65	649	890.550	764.994	1974.	1060	3.31
66	659	890.948	764.991	1837.	1067	3.71
67	669	891.346	764.989	1701.	1060	4.11
68	679	891.741	765.007	1564.	1067	4.50
69	689	892.137	764.996	1442.	1060	4.90
70	699	892.527	765.090	1576.	1000	5.31
71	709	892.831	765.381	1992.	1000	5.73
72	719	892.958	765.815	2409.	1000	6.19
73	729	892.843	766.286	2826.	1000	6.68
74	739	892.486	766.660	3242.	1000	7.20
75	749	891.958	766.815	3659.	1000	7.76

## EAL358 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
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03/23/89

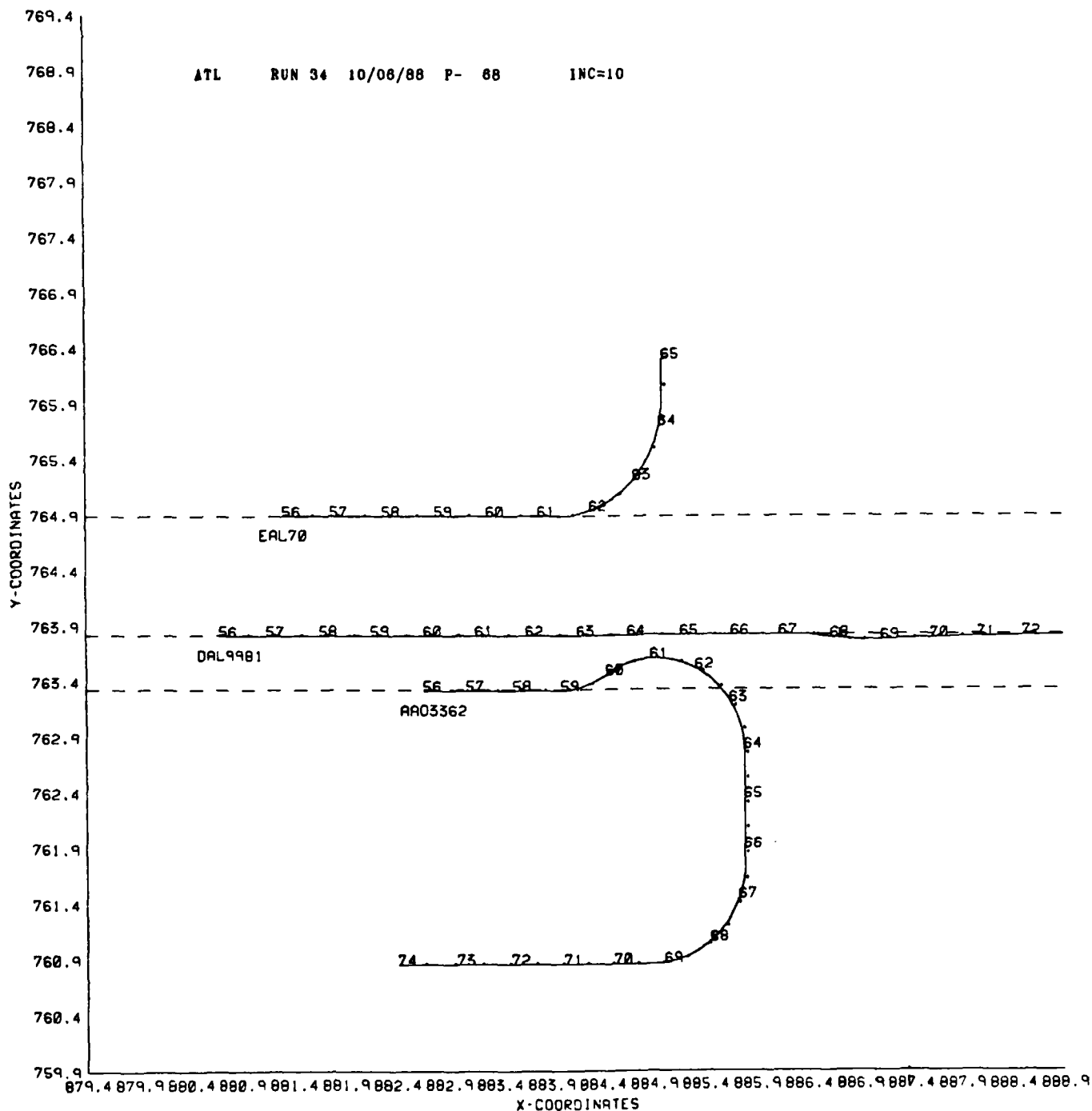
12:43:50

TASK # 0700013C

ALGEO

GOULD C.S.D. WPX-

57	571	886.427	763.920	3363.	1060	.00
58	579	886.836	763.904	3218.	1067	.41
59	589	887.344	763.899	3037.	1060	.92
60	599	887.835	763.907	2863.	1060	1.41
61	609	888.302	763.912	2697.	1060	1.88
62	619	888.748	763.917	2537.	1067	2.32
63	629	889.171	763.919	2384.	1060	2.74
64	639	889.573	763.922	2407.	1062	3.15
65	649	889.948	763.924	2948.	1062	3.52
66	659	890.317	763.919	3573.	1067	3.89
67	669	890.709	763.916	3982.	1062	4.28
68	679	891.128	763.894	4000.	1000	4.70
69	689	891.515	763.675	4000.	1000	5.15
70	699	891.755	763.267	4000.	1000	5.63
71	709	891.789	762.763	4000.	1000	6.14
72	719	891.789	762.226	4036.	1000	6.68
73	729	891.789	761.667	4418.	1000	7.24
74	739	891.789	761.077	4834.	1000	7.83
75	749	891.789	760.453	5251.	1000	8.45



03/17/89

09:04:31

TASK # 200C001E

ALGEO

GCULO C.S.O. MPX

ATL

DATE OF RUN 10/06/88 RUN - 34 PLOT- 68

## AA03362 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
56	560	882.769	763.419	3994.	1060	.00
57	569	883.186	763.420	3994.	1067	.42
58	579	883.650	763.420	3994.	1060	.88
59	589	884.114	763.420	3994.	1067	1.35
60	599	884.550	763.563	3994.	1000	1.81
61	609	884.935	763.705	3964.	1000	2.27
62	619	885.424	763.614	3643.	1000	2.73
63	629	885.757	763.316	3310.	1000	3.18
64	639	885.895	762.895	2977.	1000	3.63
65	649	885.895	762.448	2643.	1000	4.07
66	659	885.895	761.998	2500.	1000	4.52
67	669	885.838	761.546	2623.	1000	4.98
68	679	885.558	761.162	2957.	1000	5.46
69	689	885.119	760.967	3290.	1000	5.95
70	699	884.632	760.956	3623.	1000	6.44
71	709	884.141	760.956	3951.	1000	6.93
72	719	883.634	760.956	4000.	1000	7.43
73	729	883.094	760.956	4000.	1000	7.97
74	739	382.520	760.956	4000.	1000	8.55

## EAL70 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
56	560	881.412	764.996	4965.	1060	.00
57	569	881.869	764.996	4814.	1060	.46
58	579	882.376	764.996	4646.	1060	.96
59	589	882.881	764.996	4478.	1060	1.47
60	599	883.386	764.995	4311.	1060	1.97
61	609	883.889	764.995	4145.	1067	2.48
62	619	884.391	765.041	4068.	1000	2.98
63	629	884.826	765.323	4474.	1000	3.51
64	639	885.074	765.812	4938.	1000	4.06
65	649	885.099	766.411	5000.	1000	4.66

## DAL9981 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
56	560	880.803	763.914	5114.	1060	.00
57	569	881.260	763.915	4959.	1067	.46
58	579	881.765	763.915	4786.	1067	.96
59	589	882.270	763.917	4615.	1060	1.47
60	599	882.773	763.917	4444.	1060	1.97
61	609	883.276	763.917	4489.	1062	2.47



03/17/89

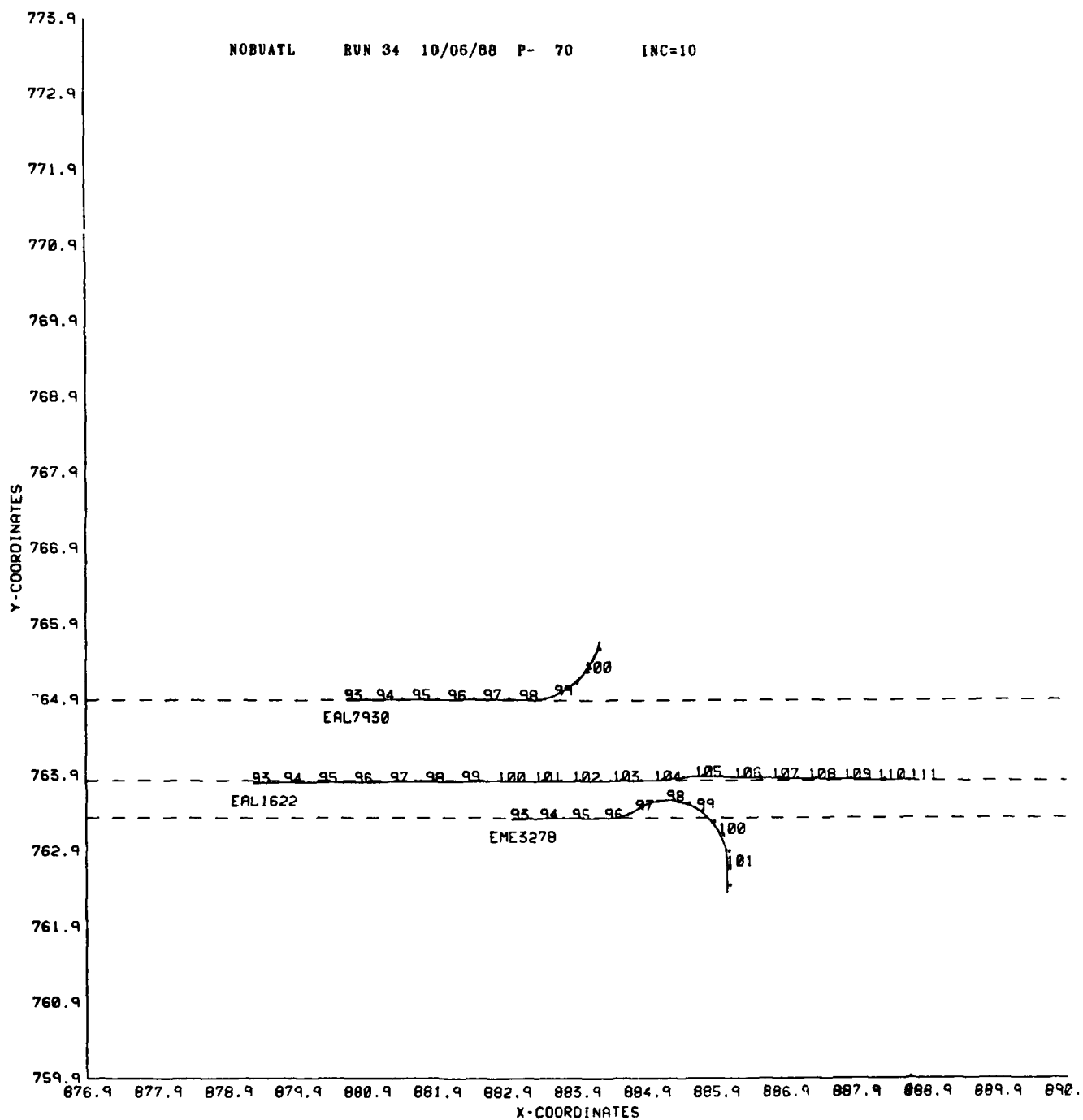
09:04:31

TASK # 2000001E

ALGEO

GCULD C.S.D. MPX-

62	619	883.770	763.917	4901.	1062	2.97
63	629	884.266	763.917	5318.	1062	3.46
64	639	884.766	763.918	5734.	1062	3.96
65	649	885.278	763.918	5881.	1062	4.47
66	659	885.773	763.918	5428.	1067	4.97
67	669	886.238	763.919	4689.	1060	5.44
68	679	886.734	763.895	4382.	1067	5.93
69	689	887.231	763.874	4126.	1060	6.43
70	699	887.713	763.839	3878.	1060	6.91
71	709	888.172	763.899	3642.	1060	7.37
72	719	888.607	763.907	3417.	1060	7.81
73	729	889.020	763.912	3205.	1060	8.22
74	739	889.423	763.917	2998.	1060	8.62



03/17/89

09:04:31

TASK # 200C001E

ALGEO

GOULD C.S.D. NPX-

ATL

DATE OF RUN 10/06/88 RUN - 34 PLOT- 70

## EME3278 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
93	930	883.069	763.420	3994.	1060	.00
94	939	883.489	763.420	3994.	1060	.42
95	949	883.955	763.420	3994.	1060	.89
96	959	884.420	763.421	3911.	1060	1.35
97	969	884.863	763.539	3770.	1000	1.82
98	979	885.304	763.660	3623.	1000	2.28
99	989	885.738	763.546	3298.	1000	2.73
100	999	886.055	763.231	2964.	1000	3.18
101	1009	886.171	762.802	2631.	1000	3.63

## EAL7930 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
93	930	880.698	764.999	4994.	1060	.00
94	939	881.160	764.997	4994.	1060	.46
95	949	881.671	764.996	4880.	1060	.97
96	959	882.181	764.996	4711.	1060	1.48
97	969	882.690	764.996	4543.	1060	1.99
98	979	883.198	764.995	4375.	1060	2.50
99	989	883.704	765.059	4333.	1000	3.01
100	999	884.128	765.367	4769.	1000	3.54

## EAL1622 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
93	930	879.363	763.895	5614.	1067	.00
94	939	879.824	763.898	5457.	1060	.46
95	949	880.337	763.901	5283.	1067	.97
96	959	880.847	763.903	5109.	1060	1.48
97	969	881.357	763.906	4936.	1067	1.99
98	979	881.866	763.908	4853.	1062	2.50
99	989	882.376	763.911	4927.	1067	3.01
100	999	882.888	763.913	4987.	1062	3.53
101	1009	883.411	763.916	5000.	1062	4.05
102	1019	883.958	763.917	4799.	1060	4.60
103	1029	884.531	763.918	4507.	1060	5.17
104	1039	885.130	763.920	4201.	1067	5.77
105	1049	885.720	763.976	3890.	1060	6.36
106	1059	886.288	763.963	3598.	1060	6.93
107	1069	886.832	763.951	3317.	1060	7.47
108	1079	887.354	763.943	3055.	1060	7.99
109	1089	887.854	763.937	2872.	1060	8.49
110	1099	888.331	763.932	2703.	1060	8.97

03/17/89

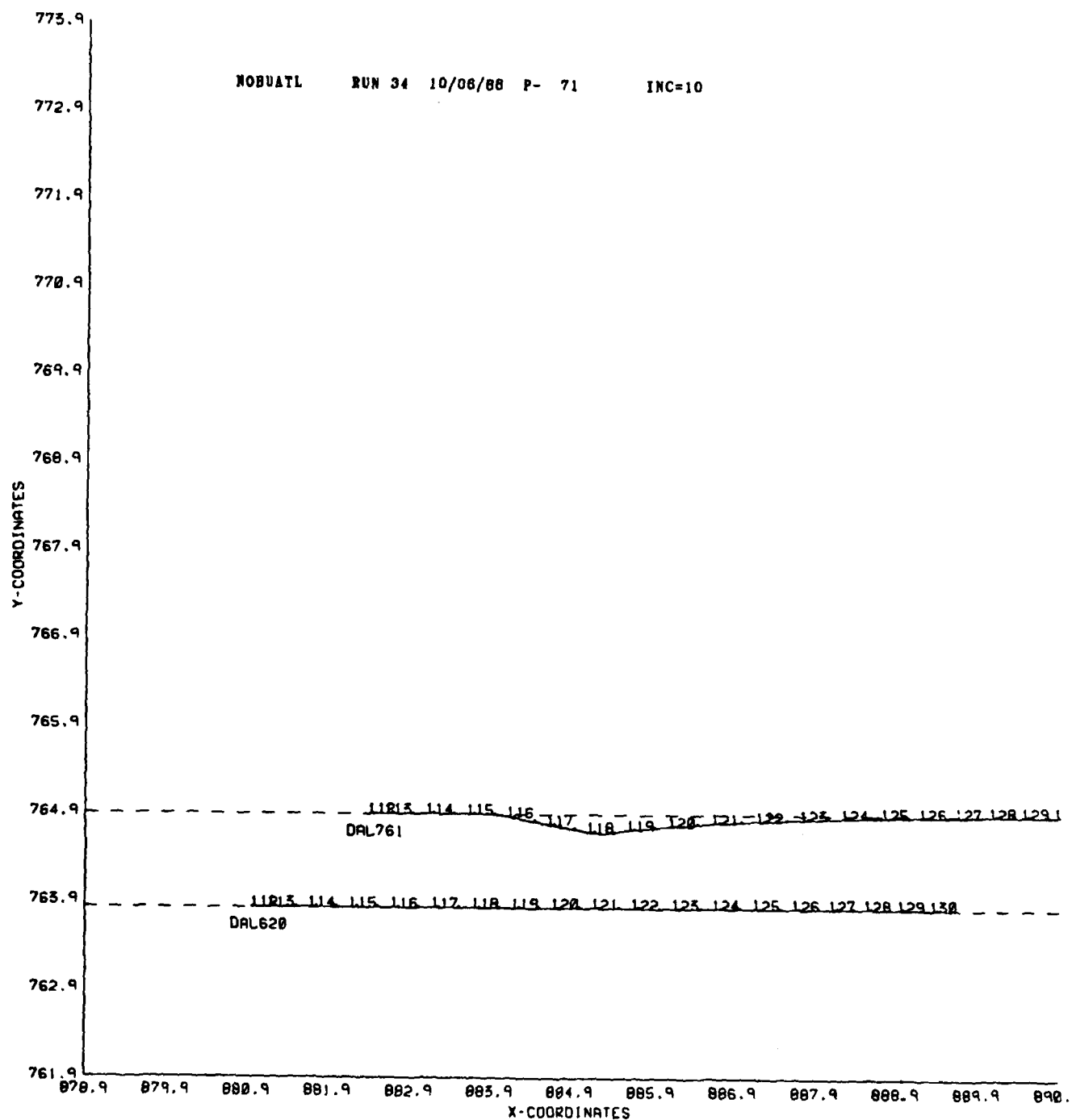
09:04:31

TASK # 200001E

ALGEO

GCULD C.S.D. MPX-

111 1109 888.786 763.930 2535. 1060 9.43



03/17/89

09:04:31

TASK # 2000012

ALGEC

GCULD C.S.O. MPX-3

ATL

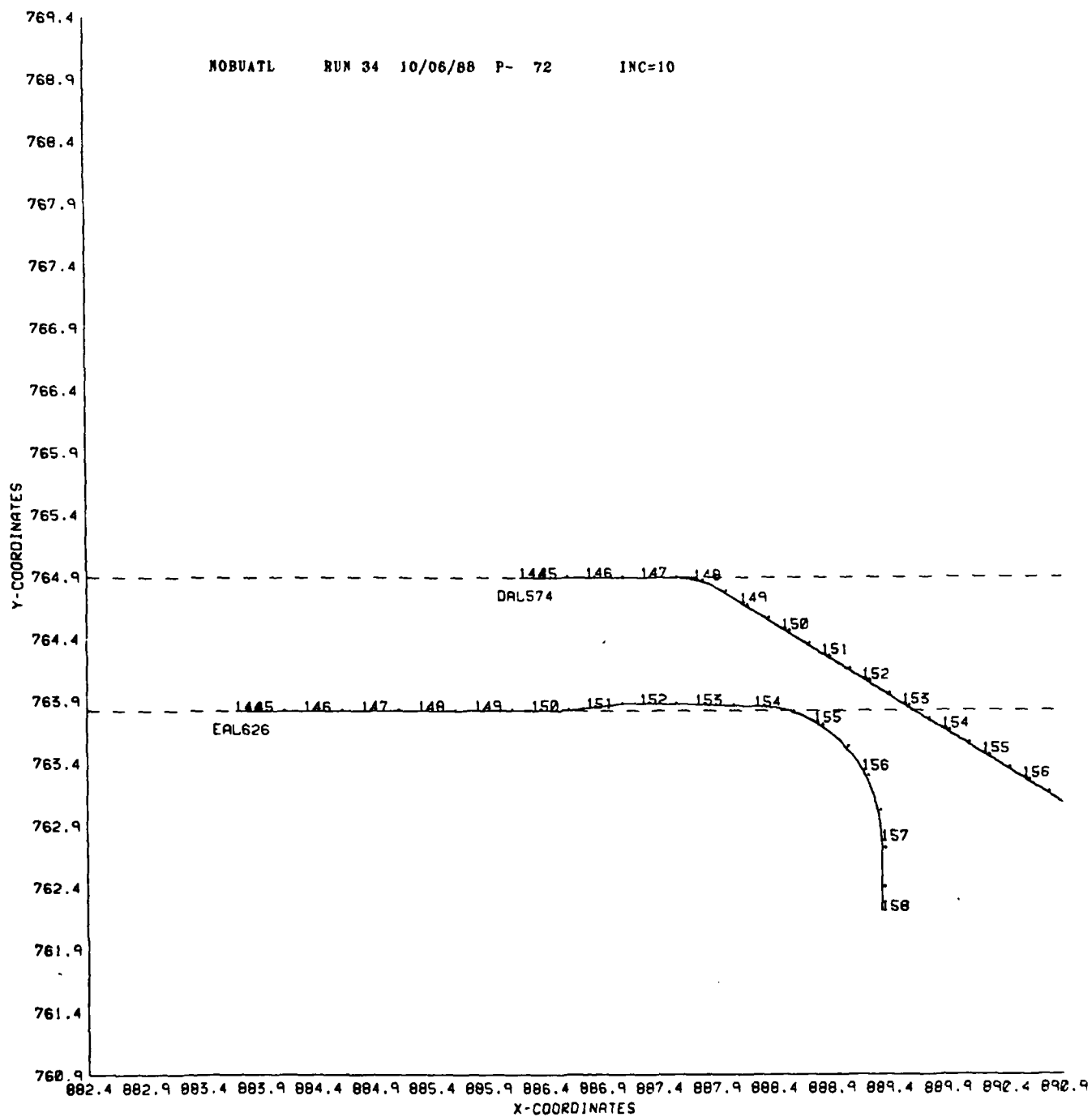
DATE OF RUN 10/06/88 RUN - 54 PLOT- 71

## CAL761 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
112	1125	682.489	764.996	4610.	1060	.00
113	1129	682.592	764.996	4543.	1067	.20
114	1139	683.200	764.996	4375.	1060	.71
115	1149	683.706	764.995	4207.	1067	1.22
116	1159	684.210	764.970	4039.	1000	1.72
117	1169	684.706	764.882	3872.	1000	2.23
118	1179	685.201	764.794	3704.	1000	2.73
119	1189	685.698	764.816	3547.	1060	3.23
120	1199	686.202	764.860	3331.	1067	3.74
121	1209	686.733	764.895	3207.	1060	4.27
122	1219	687.282	764.922	3026.	1067	4.82
123	1229	687.615	764.945	2845.	1060	5.35
124	1239	688.327	764.959	2675.	1060	5.86
125	1249	688.815	764.969	2513.	1060	6.35
126	1259	689.281	764.976	2357.	1060	6.82
127	1269	689.725	764.931	2210.	1060	7.26
128	1279	690.146	764.933	2070.	1060	7.68
129	1289	690.547	764.936	1950.	1060	8.08
130	1299	690.945	764.937	1818.	1060	8.48

## DAL620 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
112	1125	681.057	763.929	5027.	1067	.00
113	1129	681.260	763.929	4958.	1067	.20
114	1139	681.755	763.923	4786.	1060	.71
115	1149	682.270	763.923	4615.	1067	1.21
116	1159	682.773	763.923	4444.	1060	1.72
117	1169	683.275	763.923	4273.	1067	2.22
118	1179	683.776	763.923	4103.	1060	2.72
119	1189	684.275	763.923	3933.	1067	3.22
120	1199	684.775	763.927	3764.	1060	3.72
121	1209	685.271	763.927	3612.	1060	4.21
122	1219	685.765	763.927	3443.	1060	4.71
123	1229	686.261	763.927	3275.	1060	5.20
124	1239	686.754	763.927	3107.	1067	5.70
125	1249	687.247	763.927	2940.	1060	6.19
126	1259	687.724	763.927	2777.	1060	6.67
127	1269	688.178	763.927	2622.	1060	7.12
128	1279	688.610	763.927	2474.	1060	7.55
129	1289	689.020	763.927	2334.	1067	7.96
130	1299	689.420	763.927	2196.	1060	8.36



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09:04:31

TASK # 20000012

ALJED

GCOLO C.S.D. MPX-

ATL

DATE OF RUN 10/06/88 RUN - 34 PLOT- 72

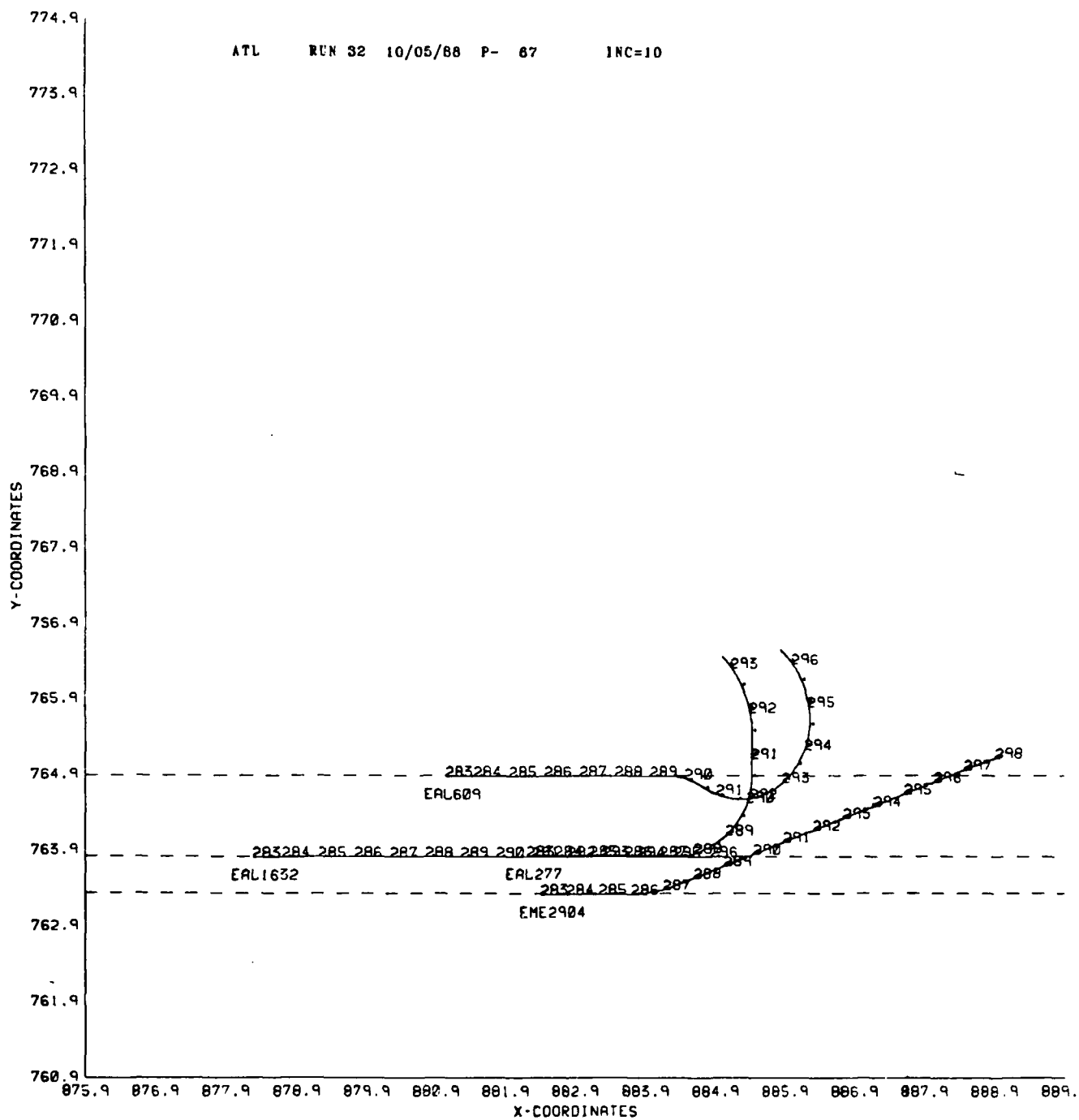
## DAL574 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
144	1447	886.281	764.993	3300.	1060	.00
145	1449	886.379	764.993	3328.	1060	.10
146	1459	886.367	764.993	3166.	1060	.59
147	1469	887.352	764.993	3005.	1060	1.07
148	1479	887.813	764.974	2849.	1000	1.54
149	1489	883.219	764.789	2696.	1000	1.98
150	1499	888.554	764.577	2542.	1000	2.40
151	1509	883.933	764.375	2389.	1000	2.81
152	1519	889.279	764.175	2235.	1000	3.21
153	1529	889.623	763.975	2081.	1000	3.61
154	1539	889.968	763.775	1928.	1000	4.00
155	1549	890.312	763.574	1774.	1000	4.40
156	1559	890.654	763.375	1621.	1000	4.80
157	1569	890.995	763.178	1467.	1000	5.19

## DAL626 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
144	1447	883.791	763.917	4128.	1067	.00
145	1449	883.892	763.917	4093.	1067	.10
146	1459	884.394	763.917	3923.	1060	.60
147	1469	884.895	763.918	3753.	1067	1.10
148	1479	885.395	763.917	3583.	1067	1.60
149	1489	885.893	763.921	3413.	1060	2.10
150	1499	886.391	763.923	3304.	1062	2.60
151	1509	886.875	763.939	3701.	1067	3.09
152	1519	887.348	763.974	4326.	1067	3.56
153	1529	887.831	763.963	4291.	1062	4.04
154	1539	888.344	763.952	5000.	1062	4.56
155	1549	888.863	763.925	5000.	1000	5.10
156	1559	889.271	763.440	5000.	1000	5.67
157	1569	889.444	762.872	5000.	1000	6.27
158	1579	889.443	762.307	5000.	1000	6.83





03/06/89

18:19:20

TASK # 20000140

OP.PR

GOULD C.S.D. MPX-

ATL

DATE OF RUN 10/05/88 RUN - 32 PLOT- 67

## EME2904 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
283	2831	882.517	763.419	3994.	1060	.00
284	2839	882.886	763.419	3994.	1060	.37
285	2849	883.348	763.420	3994.	1060	.83
286	2859	883.809	763.420	3994.	1060	1.29
287	2869	884.265	763.481	3994.	1000	1.75
288	2879	884.699	763.634	3994.	1000	2.21
289	2889	885.131	763.792	3994.	1000	2.67
290	2899	885.563	763.951	3994.	1000	3.13
291	2909	885.996	764.110	3994.	1000	3.59
292	2919	886.428	764.268	3994.	1000	4.06
293	2929	886.860	764.427	3994.	1000	4.52
294	2939	887.292	764.586	3994.	1000	4.98
295	2949	887.724	764.744	3994.	1000	5.44
296	2959	888.156	764.903	3994.	1000	5.90
297	2969	888.588	765.062	3994.	1000	6.36
298	2979	889.021	765.220	3994.	1000	6.82

## EAL277 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DIST. CE
283	2831	882.318	763.928	4815.	1067	.00
284	2839	882.720	763.928	4673.	1060	.40
285	2849	883.221	763.928	4496.	1060	.90
286	2859	883.720	763.928	4319.	1060	1.40
287	2869	884.218	763.928	4142.	1060	1.90
288	2879	884.712	763.966	4002.	1000	2.40
289	2889	885.168	764.202	4298.	1000	2.92
290	2899	885.464	764.644	4839.	1000	3.45
291	2909	885.523	765.218	5256.	1000	4.03
292	2919	885.508	765.830	5673.	1000	4.65
293	2929	885.213	766.417	5999.	1000	5.30

## EAL609 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
283	2831	881.151	764.982	4994.	1060	.00
284	2839	881.557	764.982	4994.	1060	.41
285	2849	882.064	764.983	4895.	1060	.91
286	2859	882.569	764.983	4722.	1060	1.42
287	2869	883.072	764.983	4548.	1060	1.92
288	2879	883.574	764.983	4376.	1060	2.42
289	2889	884.074	764.984	4204.	1067	2.92
290	2899	884.572	764.953	4031.	1000	3.42

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18:19:20

TASK # 20000140

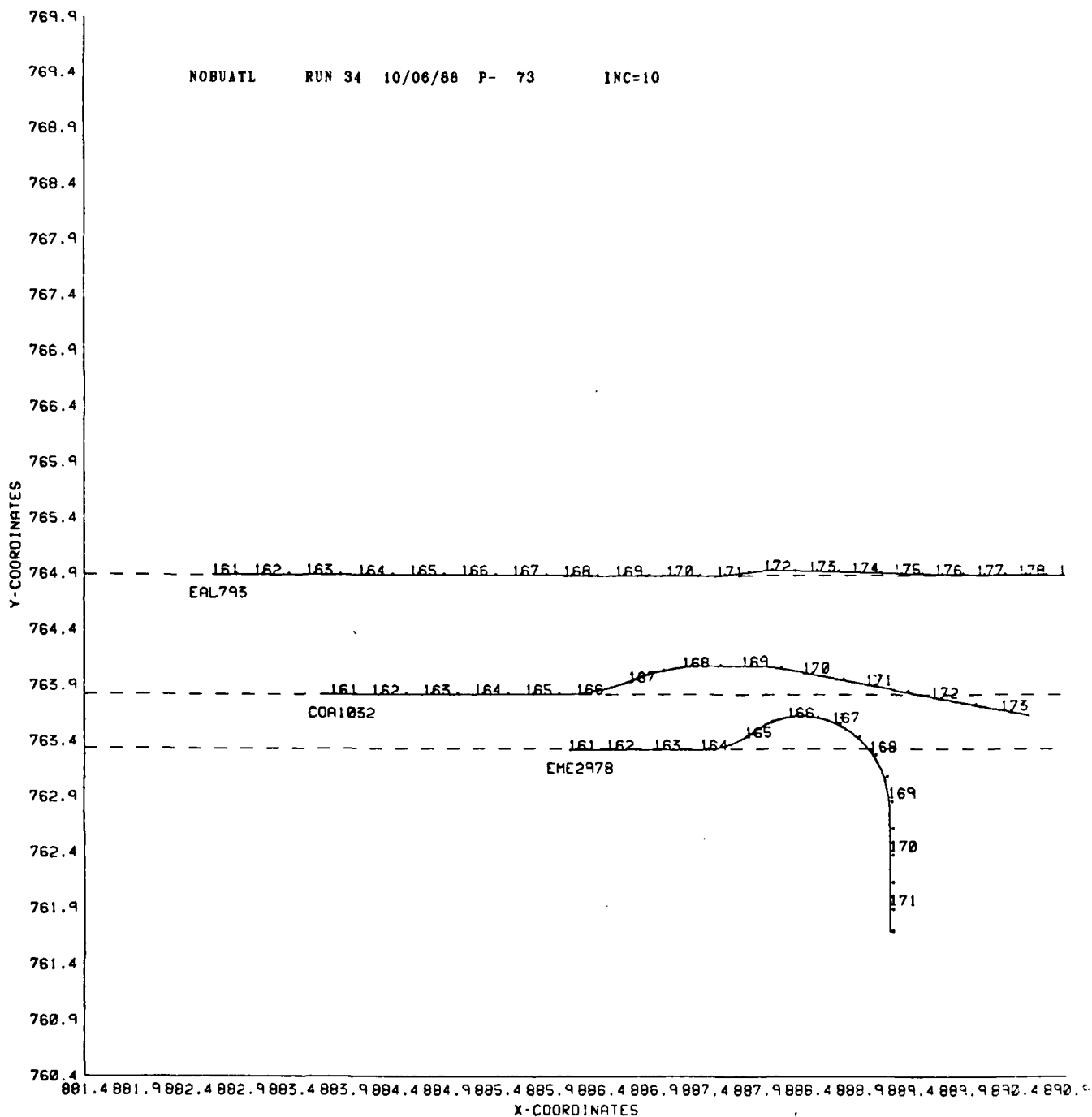
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GOULD C.S.D. MPX-7

291	2909	885.020	764.740	3859.	1000	3.92
292	2919	885.511	764.690	3723.	1000	4.42
293	2929	885.977	764.900	4021.	1000	4.94
294	2939	886.292	765.338	4437.	1000	5.48
295	2949	886.350	765.907	4854.	1000	6.06
296	2959	886.113	766.471	5002.	1000	6.68

## EAL1632 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
283	2831	378.388	763.912	5994.	1060	.00
284	2839	378.804	763.913	5994.	1067	.42
285	2849	379.323	763.913	5909.	1060	.93
286	2859	379.838	763.913	5726.	1067	1.45
287	2869	380.352	763.914	5544.	1060	1.96
288	2879	380.865	763.915	5363.	1067	2.48
289	2889	381.376	763.915	5182.	1060	2.99
290	2899	381.886	763.915	5001.	1060	3.50
291	2909	382.395	763.916	4821.	1060	4.01
292	2919	382.903	763.916	4809.	1062	4.51
293	2929	383.403	763.917	5209.	1067	5.01
294	2939	383.905	763.918	5625.	1062	5.52
295	2949	384.413	763.918	5982.	1062	6.02
296	2959	384.943	763.918	6000.	1062	6.55



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ATL

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## EME2978 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
161	1611	866.190	763.422	3369.	1060	.00
162	1619	886.553	763.422	3258.	1060	.36
163	1629	387.007	763.422	3120.	1067	.82
164	1639	887.461	763.423	2982.	1060	1.27
165	1649	387.892	763.538	2844.	1000	1.72
166	1659	388.304	763.714	2707.	1000	2.17
167	1669	888.748	763.669	2569.	1000	2.63
168	1679	889.108	763.408	2431.	1000	3.07
169	1689	839.291	762.996	2419.	1000	3.53
170	1699	889.301	762.520	2748.	1000	4.01
171	1709	889.301	762.036	3081.	1000	4.49

## COA1032 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
161	1611	883.877	763.917	4069.	1067	.00
162	1619	884.276	763.917	3933.	1067	.40
163	1629	884.774	763.913	3764.	1060	.90
164	1639	885.271	763.919	3595.	1067	1.39
165	1649	885.767	763.919	3443.	1060	1.89
166	1659	886.263	763.925	3293.	1000	2.39
167	1669	886.762	764.032	3553.	1000	2.90
168	1679	887.284	764.162	3969.	1000	3.44
169	1689	887.856	764.176	4386.	1000	4.01
170	1699	888.457	764.117	4803.	1000	4.62
171	1709	889.070	764.009	5000.	1000	5.24
172	1719	889.707	763.897	5000.	1000	5.88
173	1729	890.372	763.780	5000.	1000	6.56

## EAL793 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
161	1611	882.729	764.996	4529.	1060	.00
162	1619	883.134	764.995	4395.	1060	.40
163	1629	883.637	764.995	4228.	1060	.91
164	1639	884.140	764.995	4061.	1067	1.41
165	1649	884.641	764.995	3895.	1067	1.91
166	1659	885.141	764.993	3729.	1067	2.41
167	1669	885.640	764.990	3564.	1060	2.91
168	1679	886.138	764.988	3399.	1060	3.41
169	1689	886.634	764.986	3235.	1060	3.90
170	1699	887.129	764.986	3071.	1060	4.40
171	1709	887.616	764.986	2909.	1067	4.89

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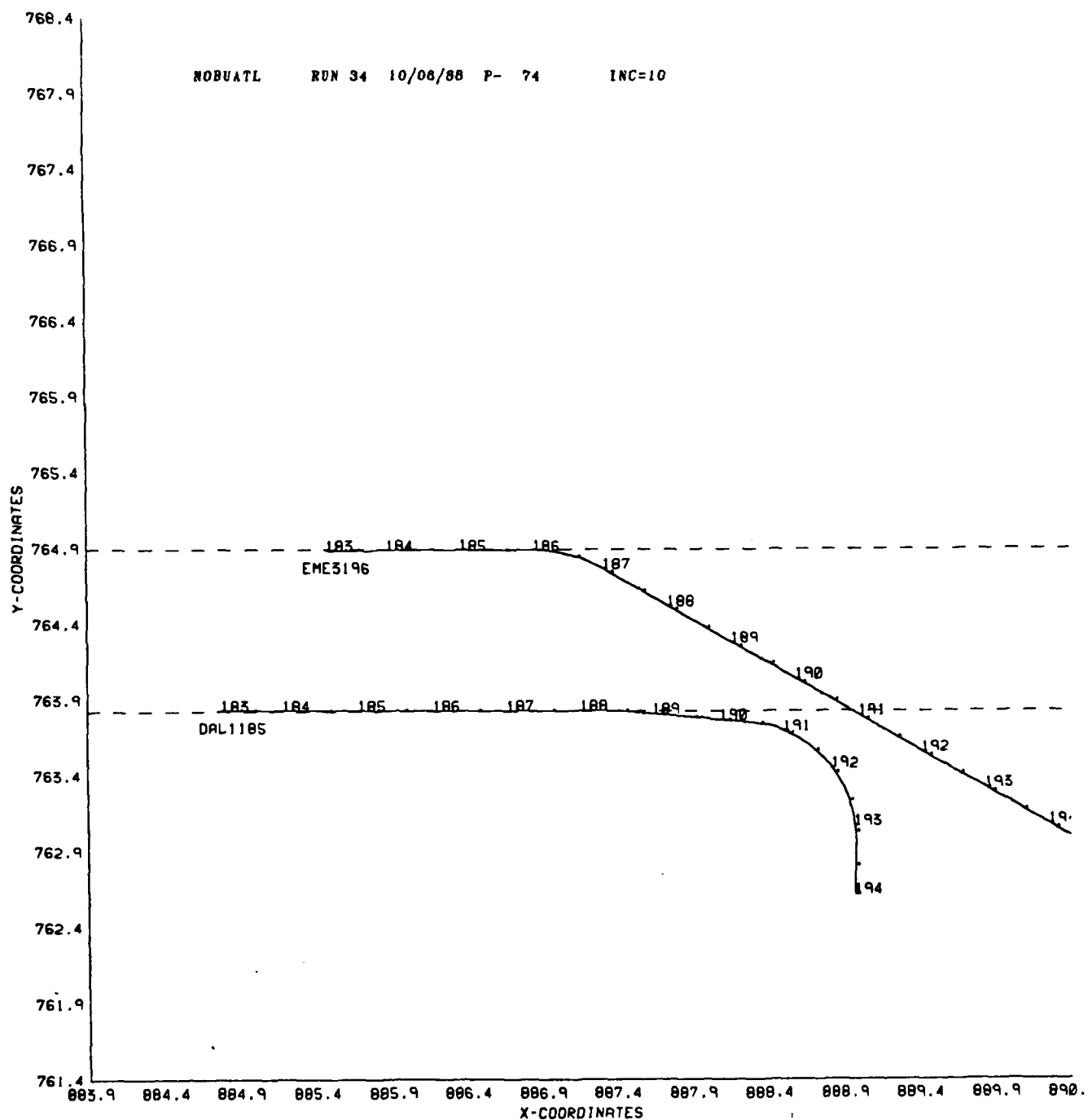
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172	1719	888.077	765.035	2751.	1060	5.35
173	1729	888.518	765.031	2617.	1067	5.79
174	1739	888.937	765.019	2477.	1067	6.21
175	1749	889.339	765.009	2341.	1060	6.61
176	1759	889.739	765.002	2209.	1067	7.01
177	1769	890.139	764.997	2076.	1060	7.41
178	1779	890.537	764.994	1944.	1060	7.81
179	1789	890.935	764.992	1812.	1067	8.21



ATL

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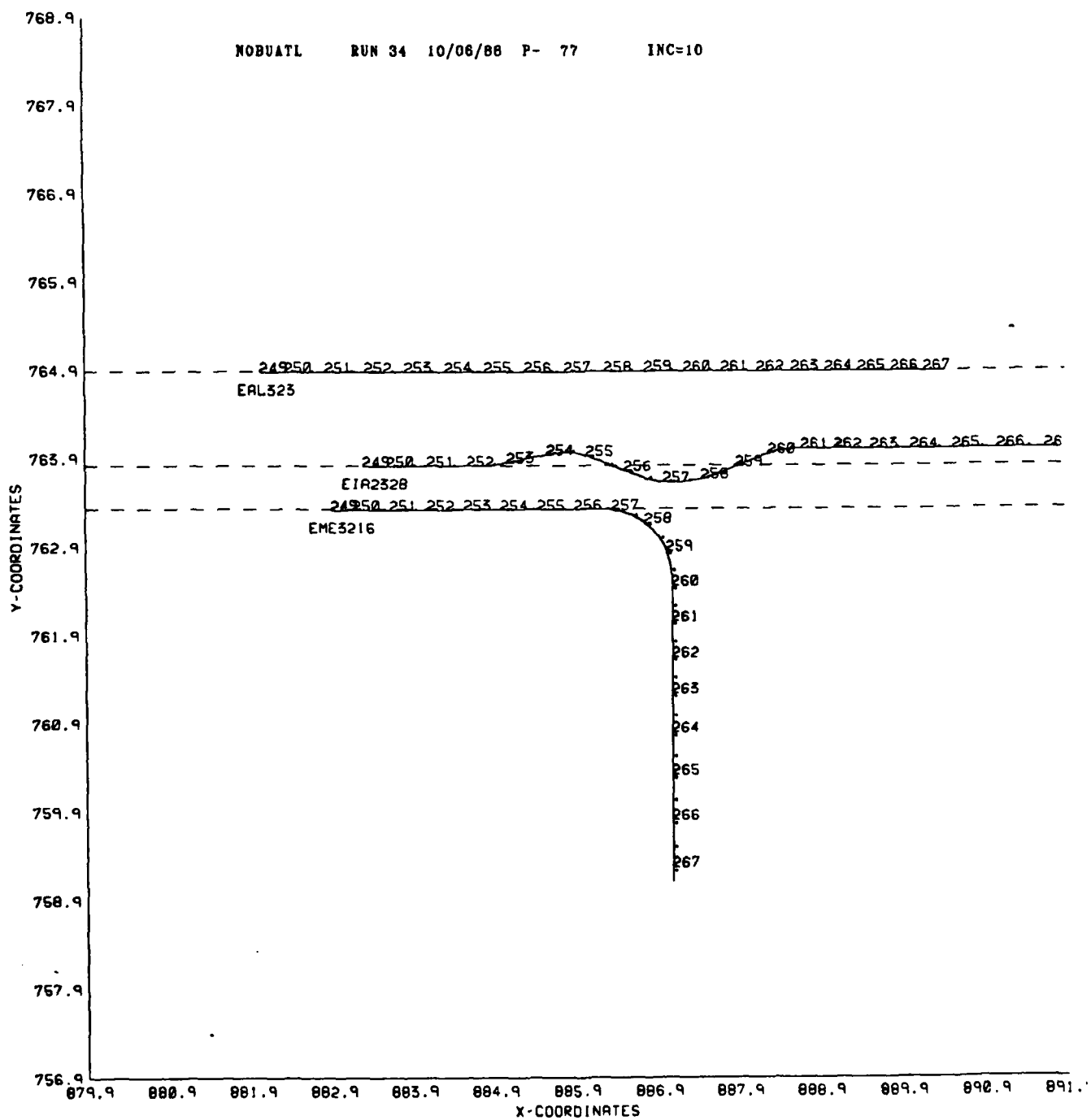
## EME3196 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
183	1831	885.578	764.934	3579.	1060	.00
184	1839	885.972	764.985	3449.	1060	.39
185	1849	886.463	764.985	3286.	1067	.89
186	1859	886.954	764.985	3123.	1060	1.38
187	1869	887.421	764.863	2961.	1000	1.37
188	1879	887.843	764.619	2799.	1000	2.35
189	1889	888.265	764.377	2637.	1000	2.54
190	1899	888.687	764.135	2475.	1000	3.32
191	1909	889.106	763.894	2313.	1000	3.81
192	1919	889.526	763.653	2151.	1000	4.29
193	1929	889.944	763.413	1989.	1000	4.77
194	1939	890.361	763.174	1826.	1000	5.26

## DAL1135 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
183	1831	884.689	763.927	3883.	1060	.00
184	1839	885.237	763.927	3747.	1060	.40
185	1849	885.784	763.927	3579.	1060	.90
186	1859	886.280	763.927	3410.	1067	1.39
187	1869	886.774	763.927	3242.	1060	1.89
188	1879	887.267	763.927	3074.	1060	2.38
189	1889	887.744	763.904	2993.	1000	2.85
190	1899	888.191	763.865	2862.	1000	3.30
191	1909	888.607	763.791	2779.	1000	3.73
192	1919	888.923	763.545	2619.	1000	4.13
193	1929	889.375	763.164	2412.	1000	4.55
194	1939	889.881	762.712	2269.	1000	5.00





ATL

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## EIA2328 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
249	2493	885.404	763.916	4232.	1060	.00
250	2499	885.703	763.917	4130.	1060	.30
251	2509	884.200	763.917	3961.	1067	.80
252	2519	884.695	763.918	3793.	1060	1.29
253	2529	885.187	763.956	3624.	1000	1.79
254	2539	885.673	764.046	3456.	1000	2.28
255	2549	886.159	764.031	3288.	1000	2.77
256	2559	886.621	763.863	3120.	1000	3.26
257	2569	887.091	763.732	2952.	1066	3.75
258	2579	887.570	763.770	2846.	1000	4.24
259	2589	888.003	763.909	3123.	1000	4.69
260	2599	888.402	764.050	3623.	1000	5.11
261	2609	888.800	764.106	4123.	1000	5.52
262	2619	889.200	764.106	4623.	1000	5.92
263	2629	889.642	764.106	4997.	1000	6.36
264	2639	890.127	764.106	5000.	1000	6.84
265	2649	890.643	764.106	5000.	1000	7.36
266	2659	891.188	764.106	5000.	1000	7.91
267	2669	891.763	764.106	5000.	1000	8.48

## EME3216 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
249	2493	883.001	763.419	3994.	1060	.00
250	2499	883.277	763.420	3994.	1060	.28
251	2509	883.736	763.420	3994.	1060	.73
252	2519	884.194	763.420	3982.	1060	1.19
253	2529	884.651	763.421	3843.	1060	1.65
254	2539	885.106	763.421	3705.	1060	2.10
255	2549	885.560	763.421	3536.	1060	2.56
256	2559	886.014	763.422	3428.	1060	3.01
257	2569	886.465	763.418	3297.	1000	3.46
258	2579	886.867	763.267	3509.	1000	3.90
259	2589	887.124	762.953	3843.	1000	4.31
260	2599	887.190	762.560	4176.	1000	4.71
261	2609	887.190	762.156	4509.	1000	5.11
262	2619	887.190	761.750	4843.	1000	5.52
263	2629	887.190	761.335	5000.	1000	5.94
264	2639	887.190	760.894	5000.	1000	6.38
265	2649	887.190	760.418	5000.	1000	6.85
266	2659	887.190	759.907	5000.	1000	7.36
267	2669	887.190	759.372	5000.	1000	7.90

## EAL323 ACTUAL FLIGHT:

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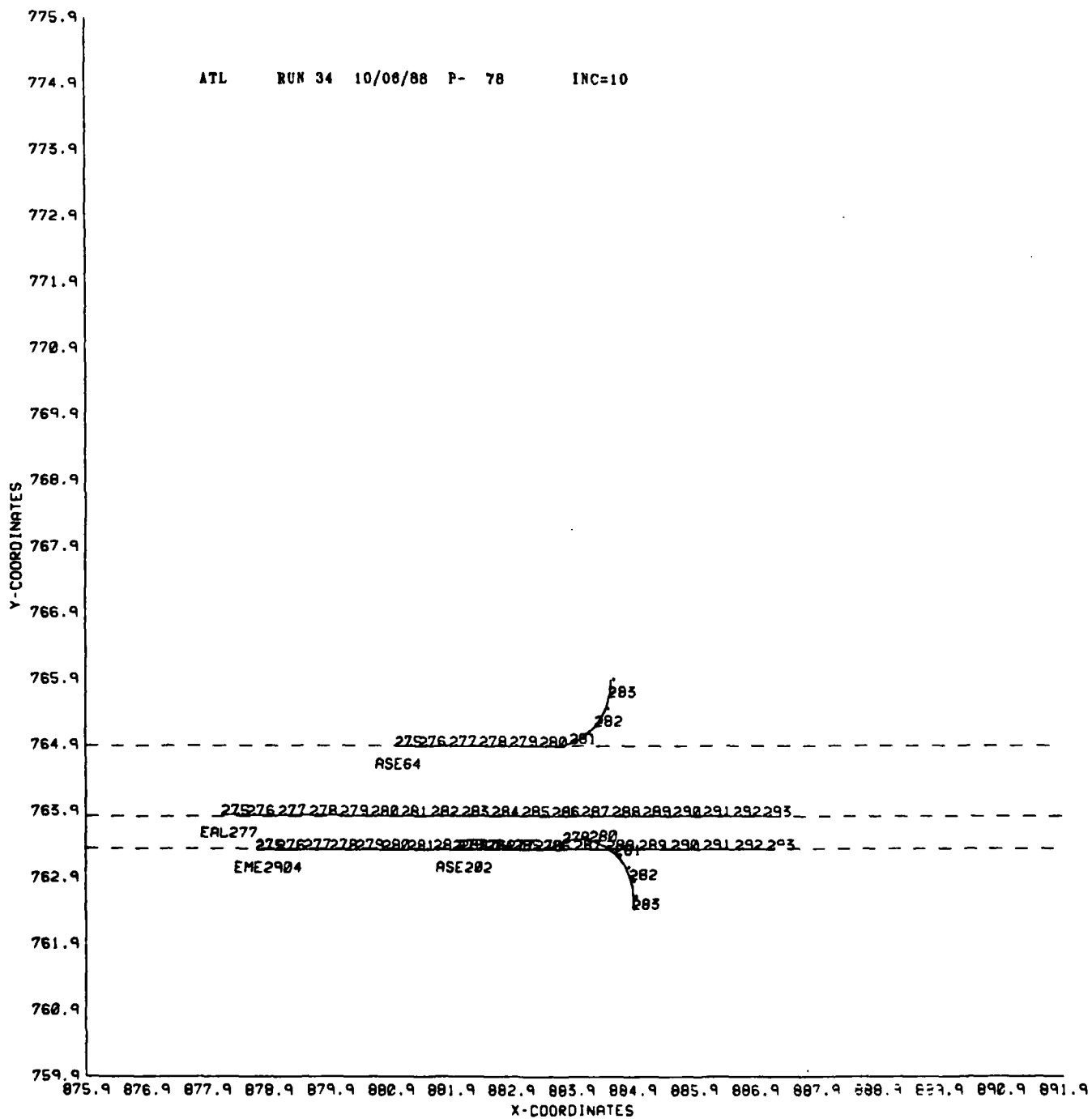
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INC	TIME	X	Y	ALT	TRACK	DISTANCE
249	2493	882.136	764.983	4717.	1060	.00
250	2499	882.435	764.983	4618.	1067	.30
251	2507	882.932	764.983	4453.	1060	.80
252	2519	883.428	764.983	4289.	1060	1.29
253	2529	883.923	764.983	4125.	1060	1.79
254	2539	884.416	764.984	3962.	1060	2.28
255	2549	884.909	764.984	3798.	1060	2.77
256	2559	885.400	764.984	3636.	1060	3.26
257	2569	885.891	764.984	3473.	1067	3.75
258	2579	886.379	764.987	3311.	1067	4.24
259	2589	886.867	764.989	3166.	1060	4.73
260	2599	887.352	764.991	3005.	1060	5.22
261	2609	887.820	764.991	2849.	1060	5.68
262	2619	888.264	764.991	2701.	1060	6.13
263	2629	888.686	764.991	2561.	1060	6.55
264	2639	889.089	764.991	2427.	1060	6.95
265	2649	889.490	764.991	2294.	1060	7.35
266	2659	889.890	764.991	2162.	1060	7.75
267	2669	890.290	764.991	2029.	1060	8.15



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## ASE202 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
275	2751	882.119	763.419	3994.	1060	.00
276	2759	882.490	763.419	3994.	1060	.37
277	2769	882.954	763.420	3994.	1067	.83
278	2779	883.418	763.420	3994.	1067	1.30
279	2789	883.364	763.531	3994.	1000	1.76
280	2799	884.319	763.557	3865.	1000	2.22
281	2809	884.722	763.353	3615.	1000	2.68
282	2819	884.969	762.976	3365.	1000	3.14
283	2829	885.011	762.527	3115.	1000	3.59

## ASE64 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
275	2751	881.094	764.982	4994.	1060	.00
276	2759	881.498	764.982	4932.	1060	.40
277	2769	882.001	764.982	4766.	1060	.91
278	2779	882.501	764.983	4600.	1060	1.41
279	2789	883.001	764.983	4434.	1060	1.91
280	2799	883.500	764.983	4269.	1060	2.41
281	2809	883.994	765.030	4194.	1000	2.90
282	2819	884.405	765.297	4504.	1000	3.40
283	2829	884.627	765.736	4837.	1000	3.90

## EME2904 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
275	2751	878.804	763.416	3994.	1060	.00
276	2759	879.150	763.416	3994.	1060	.35
277	2769	879.582	763.417	3994.	1060	.78
278	2779	880.014	763.417	3994.	1067	1.21
279	2789	880.447	763.417	3994.	1060	1.64
280	2799	880.879	763.417	3994.	1060	2.07
281	2809	881.311	763.418	3994.	1060	2.51
282	2819	881.743	763.418	3994.	1067	2.94
283	2829	882.175	763.420	3994.	1067	3.37
284	2839	882.607	763.420	3994.	1060	3.80
285	2849	883.061	763.420	3994.	1060	4.26
286	2859	883.549	763.421	3994.	1060	4.74
287	2869	884.070	763.421	3994.	1060	5.27
288	2879	884.598	763.422	3854.	1060	5.79
289	2889	885.124	763.422	3693.	1067	6.32
290	2899	885.649	763.422	3533.	1060	6.84
291	2909	886.173	763.423	3374.	1060	7.37

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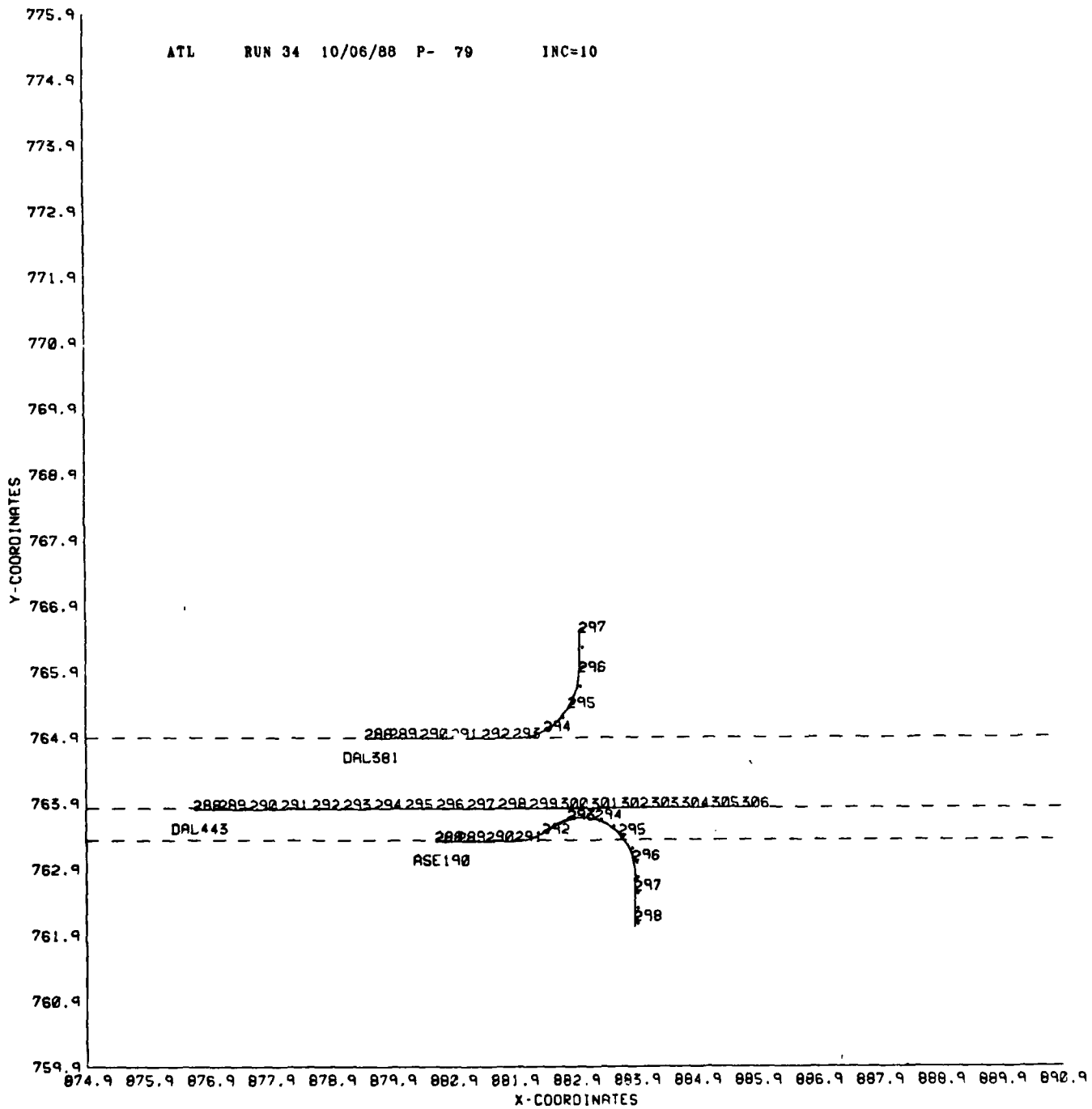
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292	2919	886.695	763.423	3215.	1060	7.89
293	2929	887.217	763.423	3056.	1060	8.41

## EAL277 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
275	2751	878.253	763.942	5982.	1060	.00
276	2759	878.661	763.940	5843.	1060	.41
277	2769	879.172	763.939	5670.	1060	.92
278	2779	879.679	763.936	5497.	1060	1.43
279	2789	880.187	763.933	5325.	1060	1.93
280	2799	880.692	763.931	5153.	1067	2.44
281	2809	881.197	763.929	4981.	1060	2.94
282	2819	881.700	763.928	4810.	1060	3.45
283	2829	882.202	763.928	4640.	1060	3.95
284	2839	882.703	763.928	4470.	1060	4.45
285	2849	883.203	763.928	4300.	1067	4.95
286	2859	883.701	763.928	4130.	1060	5.45
287	2869	884.198	763.928	3961.	1060	5.94
288	2879	884.693	763.927	3793.	1067	6.44
289	2889	885.188	763.927	3625.	1060	6.93
290	2899	885.681	763.927	3457.	1067	7.43
291	2909	886.173	763.927	3290.	1067	7.92
292	2919	886.664	763.927	3290.	1060	8.41
293	2929	887.155	763.927	3123.	1060	8.90



ATL

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## ASE190 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
288	2881	880.724	763.418	3994.	1060	.00
289	2889	881.099	763.418	3994.	1060	.37
290	2899	881.563	763.419	3994.	1060	.83
291	2909	882.027	763.419	3994.	1060	1.30
292	2919	882.469	763.537	3994.	1000	1.76
293	2929	882.880	763.744	3915.	1000	2.22
294	2939	883.333	763.745	3665.	1000	2.68
295	2949	883.725	763.519	3500.	1000	3.14
296	2959	883.953	763.125	3500.	1000	3.60
297	2969	883.983	762.667	3500.	1000	4.06
298	2979	883.983	762.206	3500.	1000	4.52

## DAL381 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
288	2881	879.578	764.981	4994.	1067	.00
289	2889	879.982	764.981	4994.	1060	.40
290	2899	880.488	764.982	4994.	1060	.91
291	2909	880.993	764.982	4994.	1067	1.42
292	2919	881.498	764.982	4932.	1060	1.92
293	2929	882.000	764.982	4766.	1060	2.42
294	2939	882.495	765.090	4816.	1000	2.93
295	2949	882.890	765.450	5007.	1000	3.48
296	2959	883.064	765.993	5000.	1000	4.05
297	2969	883.064	766.598	5000.	1000	4.66

## DAL443 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
288	2881	876.753	763.895	5994.	1060	.00
289	2889	877.166	763.897	5994.	1060	.41
290	2899	877.681	763.899	5994.	1060	.93
291	2909	878.196	763.902	5994.	1060	1.44
292	2919	878.709	763.904	5825.	1067	1.96
293	2929	879.222	763.906	5651.	1060	2.47
294	2939	879.712	763.909	5477.	1060	2.98
295	2949	880.243	763.911	5304.	1060	3.49
296	2959	880.750	763.914	5131.	1060	4.00
297	2969	881.258	763.915	4959.	1060	4.50
298	2979	881.763	763.915	4787.	1060	5.01
299	2989	882.268	763.916	4615.	1060	5.51
300	2999	882.771	763.916	4444.	1060	6.02
301	3009	883.273	763.917	4274.	1060	6.52

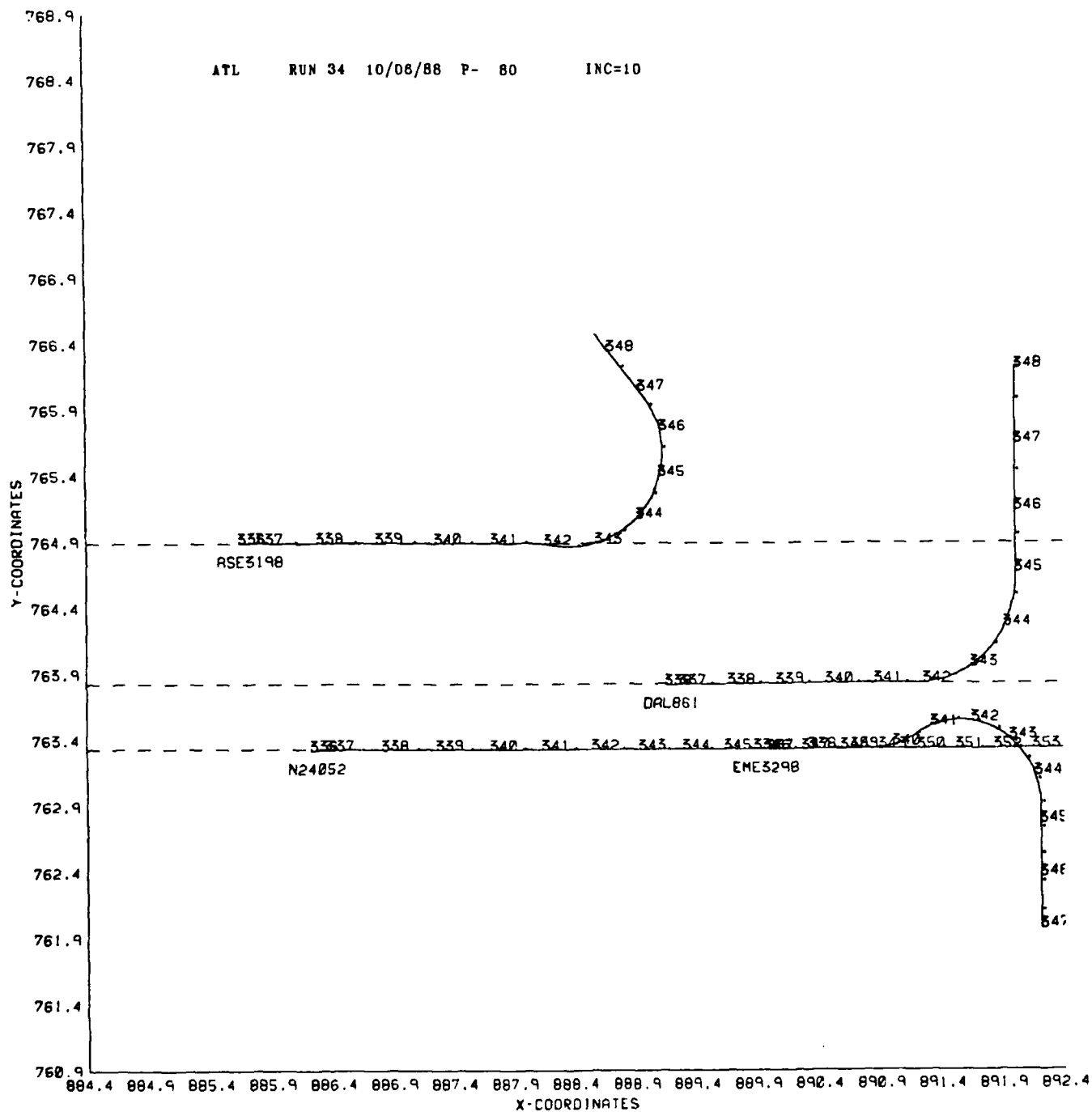


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ALGEO

GCULD C.S.D. MPX-

302	3019	883.774	763.917	4104.	1060	7.02
303	3029	884.273	763.917	3934.	1060	7.52
304	3039	884.771	763.918	3765.	1060	8.02
305	3049	885.269	763.918	3596.	1060	8.52
306	3059	885.764	763.918	3444.	1060	9.01



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ALGEO

Gould C.S.D. MPX-1

ATL

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## EME3298 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
336	3366	889.990	763.424	2221.	1067	.00
337	3369	890.093	763.424	2199.	1067	.10
338	3379	890.435	763.425	2085.	1067	.44
339	3389	890.776	763.427	1981.	1060	.79
340	3399	891.116	763.450	1877.	1000	1.13
341	3409	891.424	763.596	1773.	1000	1.47
342	3419	891.758	763.633	1669.	1000	1.81
343	3429	892.066	763.497	1565.	1000	2.15
344	3439	892.267	763.222	1551.	1000	2.49
345	3449	892.312	762.861	1875.	1000	2.86
346	3459	892.312	762.459	2208.	1000	3.26
347	3469	892.312	762.067	2508.	1000	3.66

## DAL861 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
336	3366	889.258	763.914	2255.	1060	.00
337	3369	889.378	763.915	2214.	1060	.12
338	3379	889.778	763.918	2078.	1060	.52
339	3389	890.176	763.920	1943.	1060	.92
340	3399	890.573	763.923	1808.	1067	1.32
341	3409	890.971	763.925	1673.	1060	1.71
342	3419	891.367	763.925	1538.	1060	2.11
343	3429	891.750	764.049	1734.	1000	2.52
344	3439	892.025	764.352	2319.	1000	2.93
345	3449	892.113	764.769	3069.	1000	3.36
346	3459	892.113	765.238	3819.	1000	3.83
347	3469	892.113	765.744	4569.	1000	4.34
348	3479	892.113	766.312	4989.	1000	4.90

## N24052 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
336	3366	886.330	763.422	3332.	1060	.00
337	3369	886.465	763.422	3291.	1060	.14
338	3379	886.917	763.422	3153.	1067	.59
339	3389	887.368	763.423	3016.	1067	1.04
340	3399	887.815	763.423	2879.	1067	1.49
341	3409	888.246	763.423	2745.	1060	1.92
342	3419	888.654	763.423	2620.	1060	2.32
343	3429	889.040	763.423	2499.	1067	2.71
344	3439	889.403	763.423	2399.	1060	3.07
345	3449	889.745	763.423	2294.	1060	3.42

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09:04:31

TASK # 200C001E

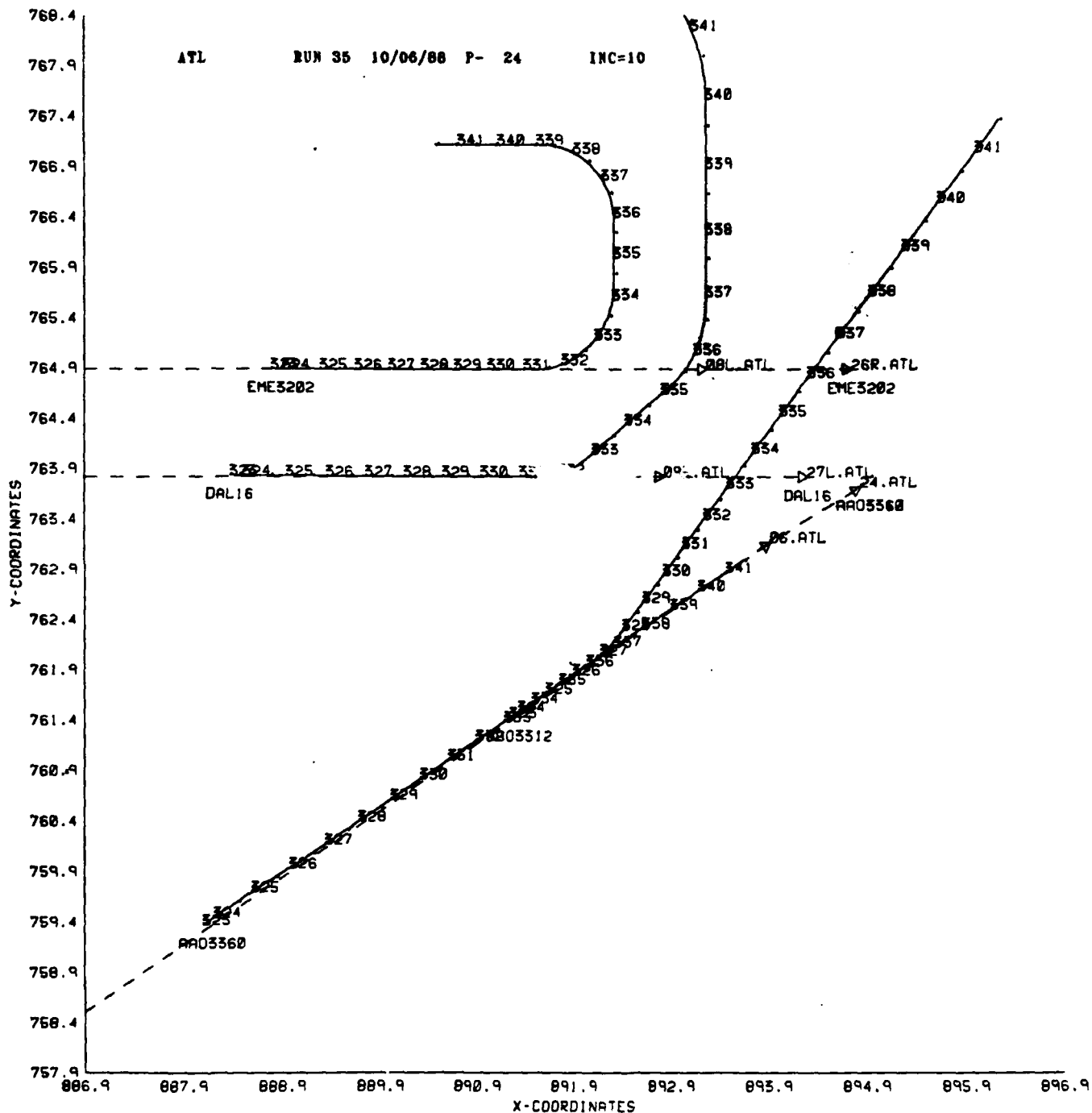
ALGEO

GCULD C.S.D. MPX-

346	3459	890.065	763.424	2196.	1060	3.74
347	3469	890.380	763.424	2100.	1060	4.05
348	3479	890.694	763.424	2005.	1060	4.36
349	3489	891.006	763.424	1909.	1067	4.68
350	3499	891.319	763.425	1814.	1060	4.99
351	3509	891.631	763.425	1719.	1067	5.30
352	3519	891.944	763.426	1624.	1067	5.61
353	3529	892.256	763.428	1529.	1060	5.93
354	3539	892.566	763.423	1434.	1060	6.24

## ASE3198 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
336	3366	885.746	764.994	3522.	1060	.00
337	3369	885.893	764.994	3473.	1060	.15
338	3379	886.382	764.993	3311.	1060	.64
339	3389	886.870	764.993	3150.	1067	1.12
340	3399	887.354	764.992	3005.	1060	1.61
341	3409	887.822	764.992	2849.	1060	2.08
342	3419	888.266	764.983	2701.	1067	2.52
343	3429	888.685	764.990	2682.	1000	2.94
344	3439	889.023	765.182	3009.	1000	3.34
345	3449	889.208	765.500	3343.	1000	3.71
346	3459	889.210	765.849	3676.	1000	4.06
347	3469	889.037	766.152	4009.	1000	4.41
348	3479	888.787	766.451	4343.	1000	4.80



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13:04:01

TASK # 3800015C

ALGEO

GOULD C.S.D. 'MPX-

10/0

DATE OF RUN 6/8835

RUN

24

PLOT-

## AA03312 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
323	3236	891.341	761.528	2010.	1067	.00
324	3239	891.427	761.584	1978.	1060	.10
325	3249	891.714	761.769	1871.	1060	.44
326	3259	891.999	761.955	1764.	1060	.78
327	3269	892.279	762.149	1658.	1000	1.12
328	3279	892.506	762.400	1551.	1000	1.46
329	3289	892.711	762.671	1445.	1000	1.80
330	3299	892.917	762.942	1338.	1000	2.14
331	3309	893.121	763.214	1268.	1000	2.49
332	3319	893.337	763.501	1557.	1000	2.84
333	3329	893.574	763.814	1891.	1000	3.24
334	3339	893.832	764.157	2224.	1000	3.67
335	3349	894.113	764.528	2557.	1000	4.13
336	3359	894.403	764.913	2891.	1000	4.61
337	3369	894.701	765.308	3000.	1000	5.11
338	3379	895.017	765.727	3000.	1000	5.63
339	3389	895.354	766.174	3000.	1000	6.19
340	3399	895.711	766.647	3000.	1000	6.78
341	3409	896.088	767.147	3000.	1000	7.41

## EME3202 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
323	3236	888.889	764.992	2491.	1060	.00
324	3239	889.007	764.992	2452.	1060	.12
325	3249	889.386	764.992	2324.	1067	.50
326	3259	889.744	764.992	2203.	1060	.85
327	3269	890.086	764.992	2089.	1060	1.20
328	3279	890.427	764.991	1988.	1060	1.54
329	3289	890.769	764.991	1874.	1060	1.88
330	3299	891.113	764.990	1761.	1060	2.22
331	3309	891.481	764.990	1640.	1060	2.59
332	3319	891.876	765.039	1510.	1000	2.99
333	3329	892.222	765.290	1594.	1000	3.43
334	3339	892.400	765.685	1927.	1000	3.86
335	3349	892.410	766.104	2260.	1000	4.28
336	3359	892.410	766.503	2594.	1000	4.68
337	3369	892.289	766.874	2927.	1000	5.08
338	3379	891.997	767.136	3260.	1000	5.47
339	3389	891.612	767.218	3594.	1000	5.87
340	3399	891.211	767.218	3927.	1000	6.27
341	3409	890.809	767.218	4260.	1000	6.68

## DAL16 ACTUAL FLIGHT:

03/23/39

13:04:01

TASK # 3800015C

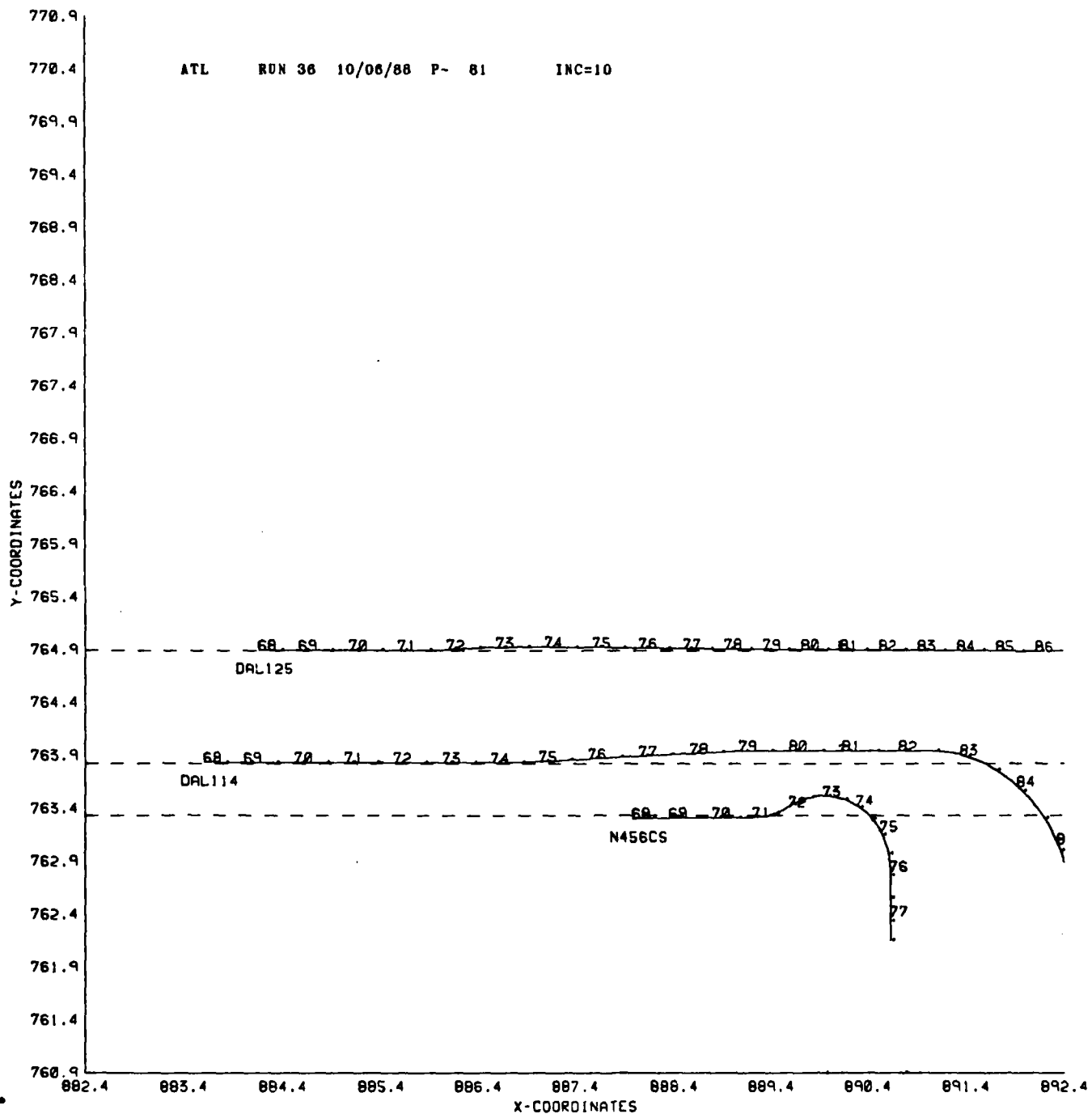
ALGEO

GOULD C.S.O. MPX-3.

INC	TIME	X	Y	ALT	TRACK	DISTANCE
323	3235	888.468	763.933	2517.	1060	.00
324	3239	888.603	763.932	2471.	1060	.13
325	3249	889.036	763.930	2322.	1060	.57
326	3259	889.448	763.927	2196.	1060	.98
327	3269	889.847	763.926	2060.	1060	1.38
328	3279	890.245	763.926	1924.	1067	1.78
329	3289	890.643	763.926	1789.	1060	2.18
330	3299	891.040	763.926	1654.	1060	2.57
331	3309	891.438	763.926	1556.	1101	2.97
332	3319	891.843	763.951	1931.	1000	3.38
333	3329	892.191	764.152	2677.	1000	3.78
334	3339	892.531	764.436	3427.	1000	4.23
335	3349	892.899	764.745	4177.	1000	4.71
336	3359	893.237	765.144	4837.	1000	5.23
337	3369	893.349	765.716	5000.	1000	5.82
338	3379	893.349	766.339	5000.	1000	6.45
339	3389	893.349	766.991	5000.	1000	7.10
340	3399	893.349	767.673	5000.	1000	7.78
341	3409	893.200	768.359	5266.	1000	8.49

## AA03360 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
323	3236	888.189	759.462	2994.	1060	.00
324	3239	888.305	759.538	2994.	1060	.14
325	3249	888.691	759.791	2994.	1060	.60
326	3259	889.078	760.030	2853.	1067	1.05
327	3269	889.443	760.267	2715.	1060	1.49
328	3279	889.786	760.496	2585.	1067	1.90
329	3289	890.112	760.712	2585.	1060	2.29
330	3299	890.420	760.916	2469.	1060	2.66
331	3309	890.711	761.108	2357.	1067	3.01
332	3319	890.998	761.296	2249.	1060	3.35
333	3329	891.283	761.484	2131.	1060	3.70
334	3339	891.569	761.672	2014.	1060	4.04
335	3349	891.854	761.859	1901.	1060	4.38
336	3359	892.140	762.046	1784.	1060	4.72
337	3369	892.425	762.232	1672.	1060	5.06
338	3379	892.710	762.417	1555.	1060	5.40
339	3389	892.995	762.602	1438.	1060	5.74
340	3399	893.278	762.788	1327.	1060	6.08
341	3409	893.561	762.972	1216.	1060	6.42





ATL

DATE OF RUN 10/06/88 RUN - 36 PLOT- 81

## N456CS ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
68	681	388.037	763.403	2835.	1060	.00
69	689	388.455	763.407	2742.	1060	.37
70	699	888.896	763.409	2607.	1060	.81
71	709	889.314	763.412	2478.	1067	1.23
72	719	889.692	763.514	2348.	1000	1.62
73	729	890.040	763.615	2218.	1000	2.00
74	739	890.383	763.523	2095.	1000	2.35
75	749	890.633	763.281	2312.	1000	2.70
76	759	890.734	762.906	2500.	1000	3.10
77	769	890.733	762.474	2500.	1000	3.53

## DAL125 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
68	681	884.258	765.000	4080.	1067	.00
69	689	884.666	765.000	3945.	1060	.41
70	699	885.174	764.999	3776.	1060	.92
71	709	885.682	764.998	3608.	1060	1.42
72	719	886.187	765.004	3441.	1067	1.93
73	729	886.692	765.023	3290.	1067	2.44
74	739	887.195	765.028	3123.	1060	2.94
75	749	887.686	765.023	2958.	1067	3.43
76	759	888.153	765.018	2801.	1060	3.90
77	769	888.599	765.013	2652.	1060	4.34
78	779	889.022	765.008	2512.	1060	4.77
79	789	889.425	765.006	2378.	1060	5.17
80	799	889.825	765.003	2245.	1060	5.57
81	809	890.225	765.001	2113.	1060	5.97
82	819	890.624	764.998	1980.	1060	6.37
83	829	891.021	764.996	1849.	1067	6.76
84	839	891.419	764.993	1717.	1060	7.16
85	849	891.816	764.991	1585.	1067	7.56
86	859	892.211	764.989	1454.	1060	7.95

## DAL114 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
68	681	883.705	763.934	4202.	1067	.00
69	689	884.113	763.934	4063.	1060	.41
70	699	884.623	763.933	3890.	1067	.92
71	709	885.132	763.933	3717.	1060	1.43
72	719	885.639	763.933	3545.	1067	1.93
73	729	886.146	763.932	3462.	1062	2.44

03/17/89

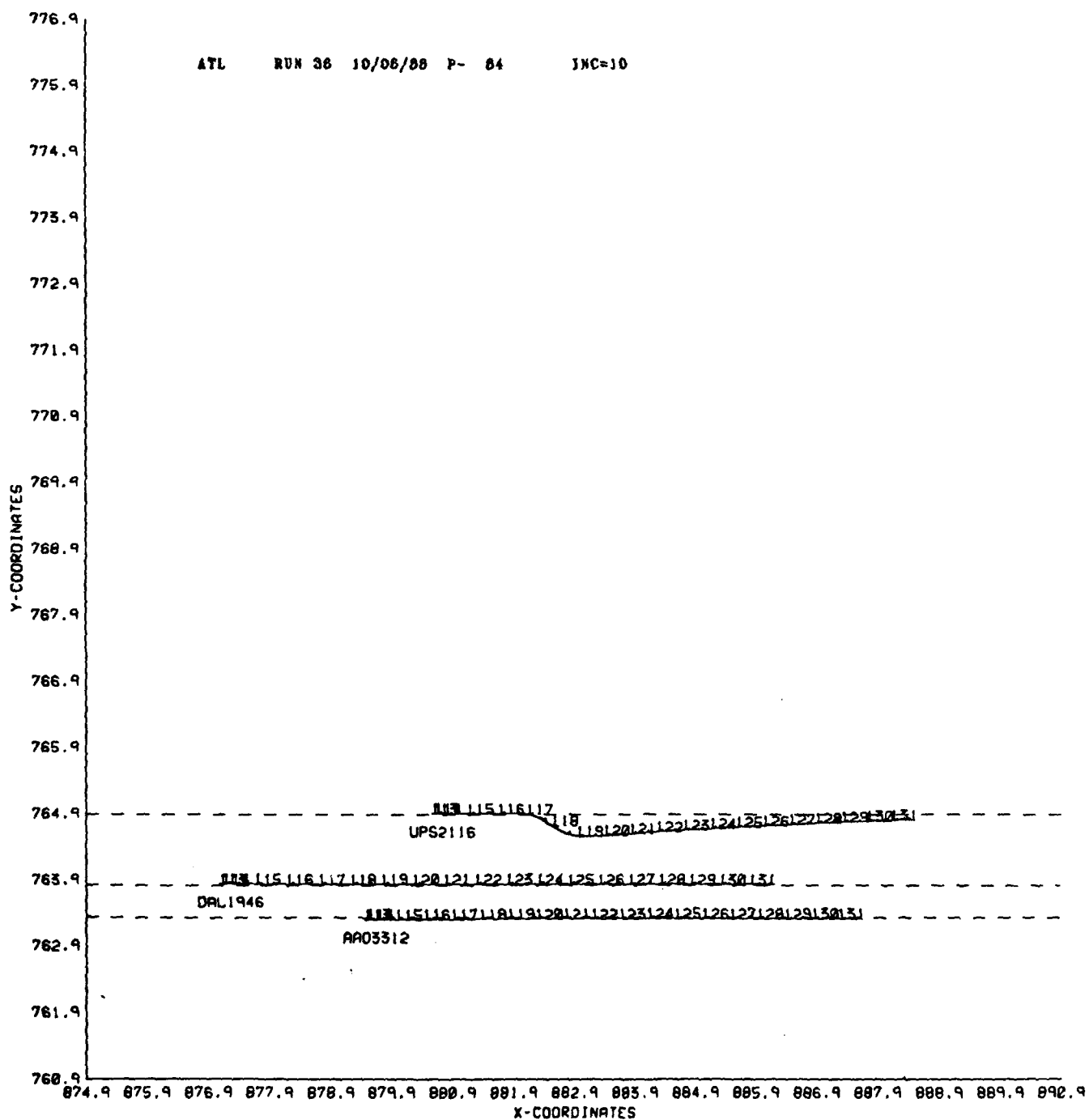
09:44:34

TASK # 33000031

OP.PR

GCULD C.S.D. MPX-

74	739	886.642	763.931	3865.	1062	2.94
75	749	887.136	763.942	4365.	1067	3.43
76	759	887.642	763.967	4697.	1067	3.94
77	769	888.156	763.992	4522.	1067	4.45
78	779	888.666	764.017	4272.	1067	4.96
79	789	889.174	764.041	4022.	1067	5.47
80	799	889.700	764.041	4102.	1000	6.00
81	809	890.244	764.041	4590.	1000	6.54
82	819	890.827	764.041	5000.	1000	7.12
83	829	891.449	764.004	5000.	1000	7.75
84	839	892.027	763.707	5000.	1000	8.41
85	849	892.434	763.162	5000.	1000	9.09
86	859	892.579	762.467	5000.	1000	9.81



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09:44:34

TASK # 33000031

OP.PR

GCULD C.S.D. MPX

ATL

DATE OF RUN 10/06/88 RUN - 36 PLOT- 84

## UPS2116 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1133	880.655	765.004	4994.	1067	.00
114	1139	880.708	765.004	4994.	1067	.05
115	1149	881.230	765.003	4994.	1060	.58
116	1159	881.731	765.003	4916.	1060	1.08
117	1169	882.207	764.993	4759.	1000	1.55
118	1179	882.622	764.819	4602.	1000	2.01
119	1189	883.032	764.663	4446.	1000	2.45
120	1199	883.473	764.674	4347.	1060	2.89
121	1209	883.914	764.700	4200.	1060	3.33
122	1219	884.354	764.727	4054.	1060	3.77
123	1229	884.793	764.751	3909.	1060	4.21
124	1239	885.231	764.776	3763.	1067	4.65
125	1249	885.668	764.799	3618.	1060	5.09
126	1259	886.105	764.821	3473.	1067	5.53
127	1269	886.540	764.841	3329.	1067	5.96
128	1279	886.974	764.860	3185.	1067	6.40
129	1289	887.406	764.877	3041.	1060	6.83
130	1299	887.819	764.891	2902.	1067	7.24
131	1309	888.222	764.905	2781.	1067	7.65

## AA03312 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1138	879.559	763.407	3994.	1060	.00
114	1139	879.605	763.408	3994.	1060	.05
115	1149	880.064	763.408	3994.	1060	.50
116	1159	880.523	763.409	3994.	1060	.96
117	1169	880.982	763.409	3994.	1067	1.42
118	1179	881.441	763.410	3994.	1060	1.88
119	1189	881.900	763.411	3994.	1060	2.34
120	1199	882.359	763.412	3994.	1060	2.80
121	1209	882.818	763.412	3994.	1060	3.26
122	1219	883.277	763.413	3994.	1060	3.72
123	1229	883.736	763.414	3994.	1060	4.18
124	1239	884.195	763.414	3994.	1067	4.64
125	1249	884.653	763.415	3968.	1060	5.09
126	1259	885.110	763.415	3829.	1060	5.55
127	1269	885.564	763.416	3691.	1067	6.01
128	1279	886.018	763.416	3552.	1067	6.46
129	1289	886.472	763.417	3414.	1060	6.91
130	1299	886.922	763.417	3277.	1060	7.36
131	1309	887.359	763.418	3143.	1060	7.80

## DAL1946 ACTUAL FLIGHT:

03/17/89

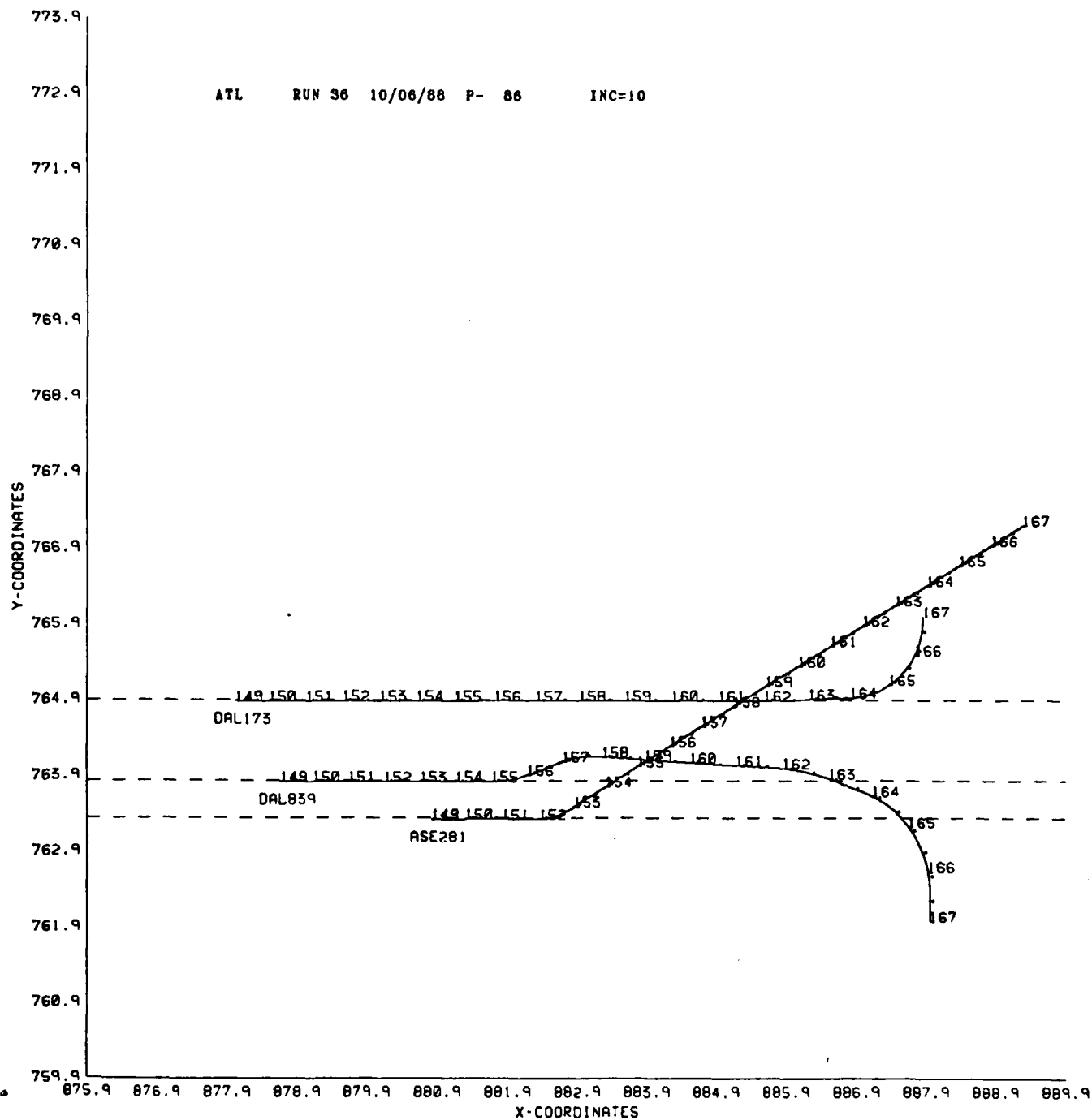
09:44:34

TASK # 330C0031

OP.PR

GOULD C.S.D. MPX-

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1138	877.190	763.940	5994.	1060	.00
114	1139	877.242	763.940	5994.	1060	.05
115	1149	877.762	763.940	5994.	1060	.57
116	1159	878.282	763.939	5994.	1060	1.09
117	1169	878.800	763.939	5859.	1060	1.61
118	1179	879.315	763.938	5634.	1060	2.12
119	1189	879.829	763.938	5509.	1060	2.64
120	1199	880.341	763.938	5335.	1067	3.15
121	1209	880.853	763.937	5161.	1060	3.66
122	1219	881.363	763.937	4988.	1060	4.17
123	1229	881.871	763.936	4815.	1067	4.68
124	1239	882.379	763.936	4642.	1060	5.19
125	1249	882.885	763.935	4470.	1067	5.69
126	1259	883.390	763.935	4299.	1060	6.20
127	1269	883.893	763.934	4145.	1060	6.70
128	1279	884.396	763.934	3974.	1060	7.21
129	1289	884.896	763.933	3804.	1067	7.71
130	1299	885.397	763.933	3633.	1060	8.21
131	1309	885.895	763.932	3464.	1060	8.71



ATL

DATE OF RUN 10/06/88 RUN - 36 PLOT- 86

## ASE281 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
149	1490	880.919	763.412	3994.	1060	.00
150	1499	881.396	763.413	3994.	1060	.48
151	1509	881.926	763.413	3994.	1060	1.01
152	1519	882.456	763.414	3994.	1067	1.54
153	1529	882.953	763.577	3994.	1000	2.07
154	1539	883.412	763.843	3994.	1000	2.60
155	1549	883.871	764.109	3994.	1000	3.13
156	1559	884.330	764.375	3994.	1000	3.66
157	1569	884.789	764.641	3994.	1000	4.19
158	1579	885.248	764.907	3994.	1000	4.72
159	1589	885.707	765.174	3994.	1000	5.25
160	1599	886.166	765.440	3994.	1000	5.78
161	1609	886.625	765.706	3994.	1000	6.31
162	1619	887.084	765.972	3994.	1000	6.84
163	1629	887.543	766.238	3994.	1000	7.37
164	1639	888.002	766.504	3994.	1000	7.90
165	1649	888.461	766.770	3994.	1000	8.43
166	1659	888.920	767.036	3994.	1000	8.96
167	1669	889.379	767.302	3994.	1000	9.49

## DAL839 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
149	1490	878.764	763.906	5877.	1060	.00
150	1499	879.226	763.906	5720.	1060	.46
151	1509	879.737	763.907	5547.	1060	.97
152	1519	880.247	763.907	5373.	1060	1.48
153	1529	880.756	763.908	5200.	1060	1.99
154	1539	881.264	763.909	5028.	1060	2.50
155	1549	881.770	763.909	4856.	1060	3.01
156	1559	882.283	763.992	5014.	1000	3.53
157	1569	882.792	764.174	5513.	1000	4.07
158	1579	883.309	764.236	5995.	1060	4.64
159	1589	883.881	764.198	6045.	1060	5.27
160	1599	884.626	764.159	5719.	1060	5.91
161	1609	885.292	764.123	5378.	1060	6.58
162	1619	885.958	764.087	5036.	1000	7.25
163	1629	886.607	763.951	4746.	1000	7.91
164	1639	887.229	763.720	4496.	1000	8.57
165	1649	887.744	763.313	4246.	1000	9.24
166	1659	888.022	762.721	3996.	1000	9.90
167	1669	888.052	762.066	3746.	1000	10.55

## DAL173 ACTUAL FLIGHT:

03/17/89

09:44:34

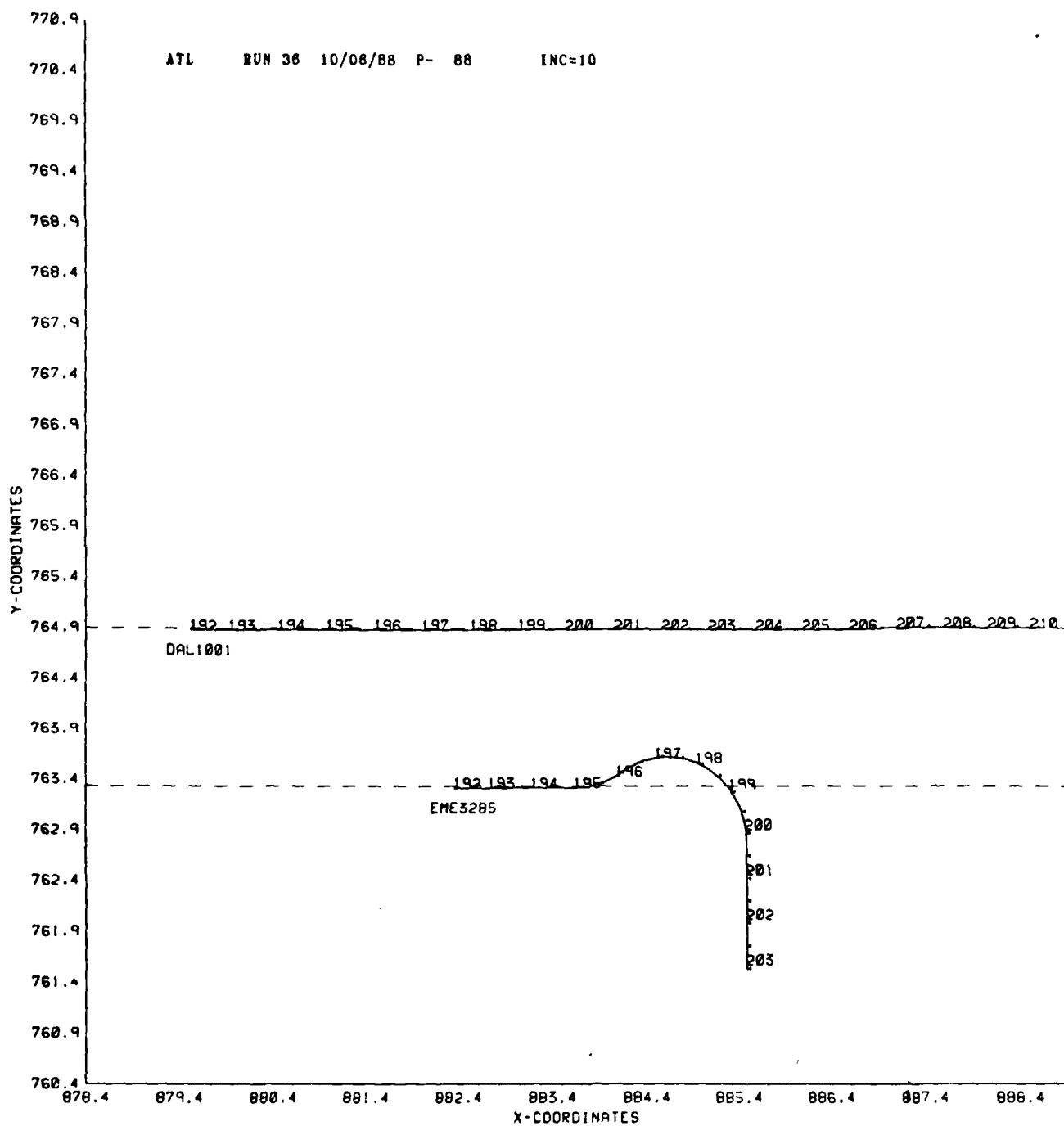
TASK # 33000031

OP.PR

GCULD C.S.D. MPX-

INC	TIME	X	Y	ALT	TRACK	DISTANCE
149	1490	878.124	764.971	4994.	1060	.00
150	1499	878.598	764.972	4994.	1060	.47
151	1509	879.125	764.973	4994.	1060	1.00
152	1519	879.653	764.973	4994.	1060	1.53
153	1529	880.180	764.974	4994.	1060	2.06
154	1539	880.708	764.975	4994.	1060	2.58
155	1549	881.243	764.976	5000.	1067	3.12
156	1559	881.808	764.978	5000.	1062	3.68
157	1569	882.403	764.978	5000.	1062	4.28
158	1579	883.028	764.979	5000.	1062	4.90
159	1589	883.682	764.980	5000.	1062	5.56
160	1599	884.363	764.982	4842.	1060	6.24
161	1609	885.038	764.984	4503.	1060	6.91
162	1619	885.688	764.984	4177.	1060	7.56
163	1629	886.313	764.999	3863.	1067	8.19
164	1639	886.914	765.017	3557.	1060	8.79
165	1649	887.462	765.187	3591.	1000	9.37
166	1659	887.831	765.585	4069.	1000	9.92
167	1669	887.946	766.094	4569.	1000	10.45





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TASK # 33000031

OP.PR

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ATL

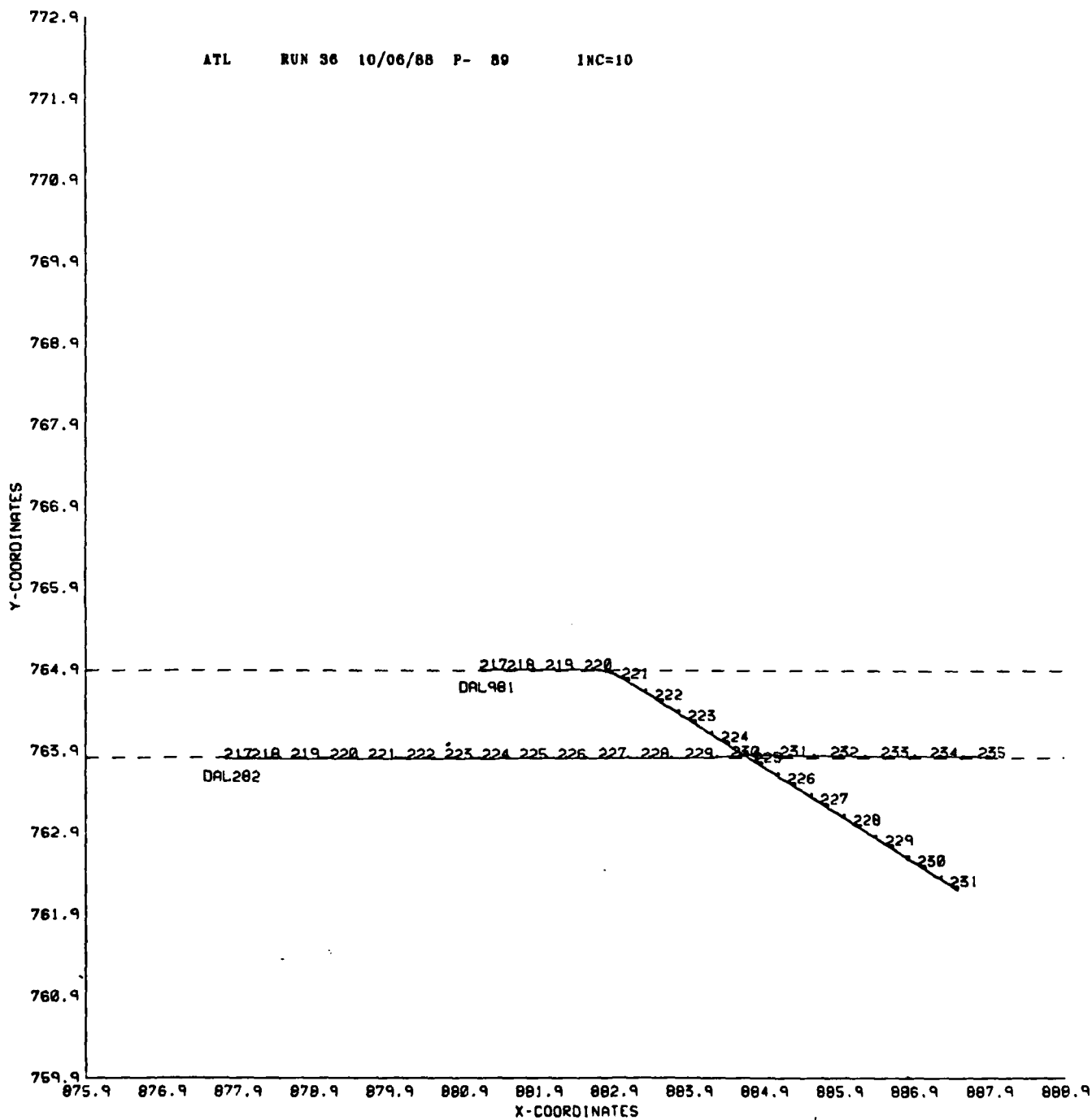
DATE OF RUN 10/06/88 RUN - 36 PLOT- 88

## EME3265 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
192	1921	882.450	763.412	3994.	1060	.00
193	1929	882.818	763.412	3994.	1060	.37
194	1939	883.277	763.413	3994.	1060	.83
195	1949	883.736	763.413	3994.	1067	1.29
196	1959	884.173	763.530	3994.	1000	1.74
197	1969	884.591	763.708	3994.	1000	2.20
198	1979	885.039	763.663	3877.	1000	2.66
199	1989	885.397	763.404	3543.	1000	3.10
200	1999	885.577	763.003	3210.	1000	3.55
201	2009	885.587	762.561	2877.	1000	3.99
202	2019	885.587	762.121	2549.	1000	4.43
203	2029	885.587	761.673	2500.	1000	4.88

## DAL1001 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
192	1921	879.612	764.973	4994.	1067	.00
193	1929	880.028	764.973	4994.	1060	.42
194	1939	880.548	764.974	4994.	1060	.94
195	1949	881.068	764.975	4994.	1060	1.46
196	1959	881.588	764.975	4994.	1067	1.98
197	1969	882.106	764.976	4879.	1060	2.49
198	1979	882.621	764.976	4709.	1060	3.01
199	1989	883.136	764.977	4538.	1060	3.52
200	1999	883.648	764.977	4368.	1067	4.04
201	2009	884.160	764.978	4199.	1060	4.55
202	2019	884.671	764.979	4029.	1060	5.06
203	2029	885.180	764.979	3861.	1060	5.57
204	2039	885.688	764.980	3692.	1060	6.08
205	2049	886.195	764.980	3525.	1060	6.58
206	2059	886.700	764.980	3357.	1067	7.09
207	2069	887.203	765.003	3190.	1060	7.59
208	2079	887.694	765.000	3027.	1060	8.08
209	2089	888.163	764.997	2871.	1060	8.55
210	2099	888.608	764.995	2722.	1060	9.00



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TASK # 33000031

OP.PR

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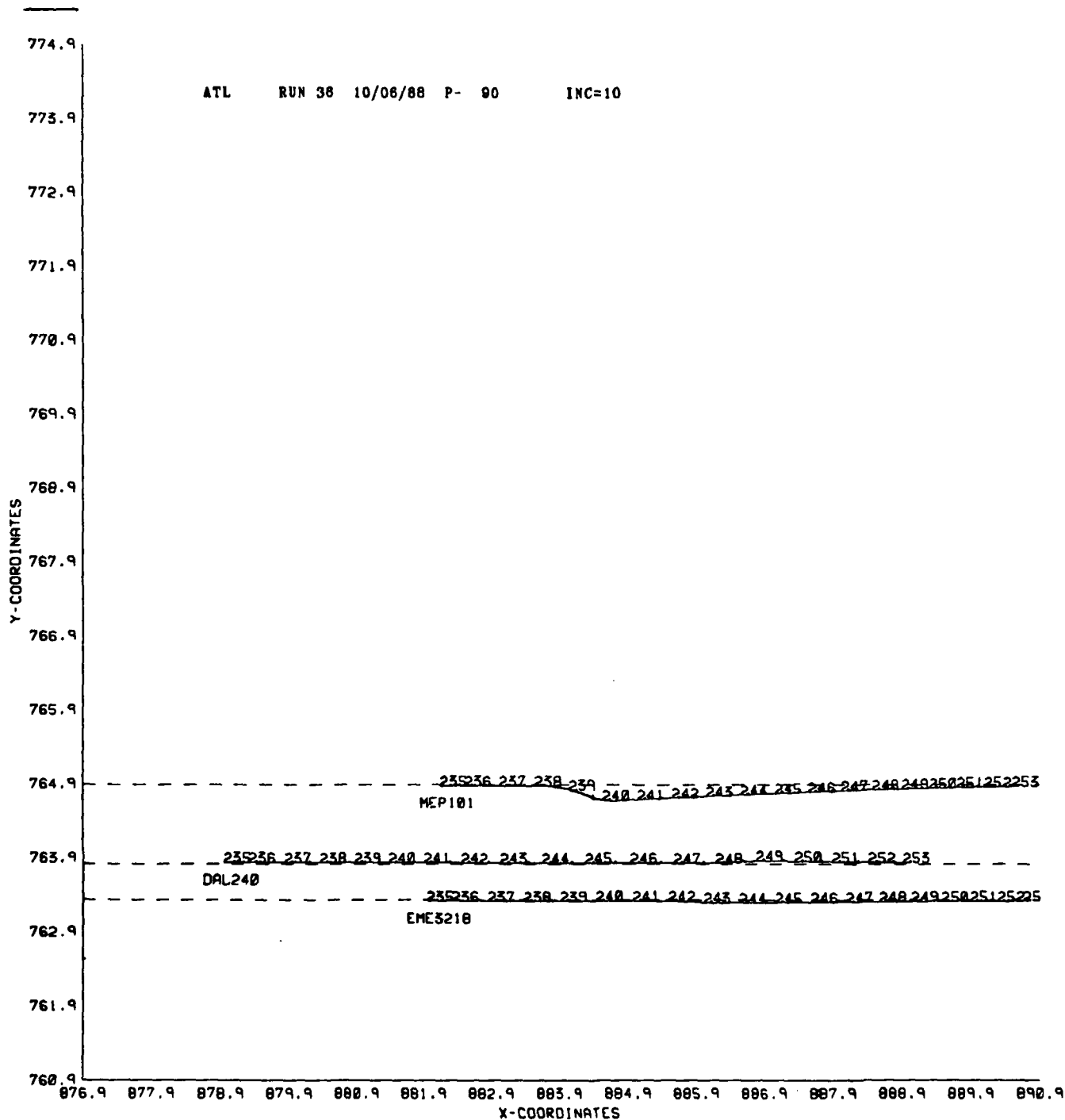
DATE OF RUN 10/06/88 RUN - 36 PLOT- 89

## DAL981 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
217	2172	881.224	765.003	4994.	1067	.00
218	2179	881.588	765.003	4994.	1067	.36
219	2189	882.105	765.002	4845.	1060	.88
220	2199	882.620	765.002	4674.	1060	1.40
221	2209	883.117	764.895	4504.	1000	1.91
222	2219	883.561	764.638	4334.	1000	2.42
223	2229	884.003	764.382	4163.	1000	2.93
224	2239	884.445	764.125	3993.	1000	3.45
225	2249	884.885	763.869	3822.	1000	3.95
226	2259	885.324	763.615	3652.	1000	4.46
227	2269	885.761	763.361	3482.	1000	4.97
228	2279	886.198	763.107	3311.	1000	5.47
229	2289	886.634	762.853	3141.	1000	5.98
230	2299	887.069	762.602	2971.	1000	6.48
231	2309	887.502	762.350	2800.	1000	6.98

## DAL282 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
217	2172	877.838	763.904	5994.	1067	.00
218	2179	878.198	763.905	5994.	1060	.36
219	2189	878.713	763.906	5895.	1060	.88
220	2199	879.226	763.906	5720.	1067	1.39
221	2209	879.737	763.906	5546.	1060	1.90
222	2219	880.247	763.907	5373.	1060	2.41
223	2229	880.757	763.908	5218.	1062	2.92
224	2239	881.261	763.908	5474.	1062	3.42
225	2249	881.762	763.909	5891.	1062	3.92
226	2259	882.278	763.910	6000.	1062	4.44
227	2269	882.812	763.912	5964.	1060	4.98
228	2279	883.379	763.913	5681.	1060	5.54
229	2289	883.969	763.916	5381.	1060	6.13
230	2299	884.585	763.941	5069.	1067	6.75
231	2309	885.228	763.949	4744.	1060	7.39
232	2319	885.896	763.944	4403.	1060	8.06
233	2329	886.577	763.940	4054.	1060	8.74
234	2339	887.234	763.938	3716.	1067	9.40
235	2349	887.865	763.936	3385.	1060	10.03



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TASK # 33000031

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DATE OF RUN 10/06/88 RUN - 36 PLOT- 90

## MEP101 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
235	2352	882.258	764.970	4743.	1060	.00
236	2359	882.619	764.975	4623.	1067	.36
237	2369	883.132	764.977	4453.	1060	.87
238	2379	883.645	764.977	4283.	1067	1.39
239	2389	884.152	764.925	4114.	1000	1.90
240	2399	884.640	764.782	3944.	1000	2.41
241	2409	885.148	764.790	3786.	1060	2.92
242	2419	885.655	764.814	3618.	1060	3.42
243	2429	886.160	764.836	3450.	1060	3.93
244	2439	886.665	764.856	3283.	1060	4.43
245	2449	887.168	764.876	3133.	1060	4.94
246	2459	887.660	764.893	2969.	1067	5.43
247	2469	888.130	764.909	2309.	1060	5.90
248	2479	888.578	764.922	2660.	1060	6.35
249	2489	889.003	764.933	2519.	1060	6.77
250	2499	889.407	764.943	2384.	1060	7.18
251	2509	889.807	764.952	2251.	1067	7.58
252	2519	890.208	764.959	2119.	1060	7.98
253	2529	890.606	764.967	1987.	1060	8.38

## EME3218 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
235	2352	882.059	763.413	3994.	1060	.00
236	2359	882.430	763.414	3994.	1060	.37
237	2369	882.960	763.414	3994.	1060	.90
238	2379	883.490	763.415	3994.	1060	1.43
239	2389	884.019	763.416	3994.	1060	1.96
240	2399	884.548	763.416	3934.	1060	2.49
241	2409	885.076	763.417	3773.	1060	3.02
242	2419	885.601	763.418	3613.	1060	3.54
243	2429	886.124	763.396	3454.	1067	4.07
244	2439	886.646	763.394	3294.	1060	4.59
245	2449	887.169	763.399	3135.	1060	5.11
246	2459	887.689	763.404	2977.	1060	5.63
247	2469	888.196	763.407	2822.	1060	6.14
248	2479	888.681	763.409	2673.	1060	6.62
249	2489	889.144	763.412	2532.	1060	7.09
250	2499	889.583	763.414	2397.	1060	7.53
251	2509	890.001	763.417	2270.	1060	7.94
252	2519	890.397	763.419	2161.	1060	8.34
253	2529	890.770	763.422	2046.	1060	8.71

## DAL240 ACTUAL FLIGHT:

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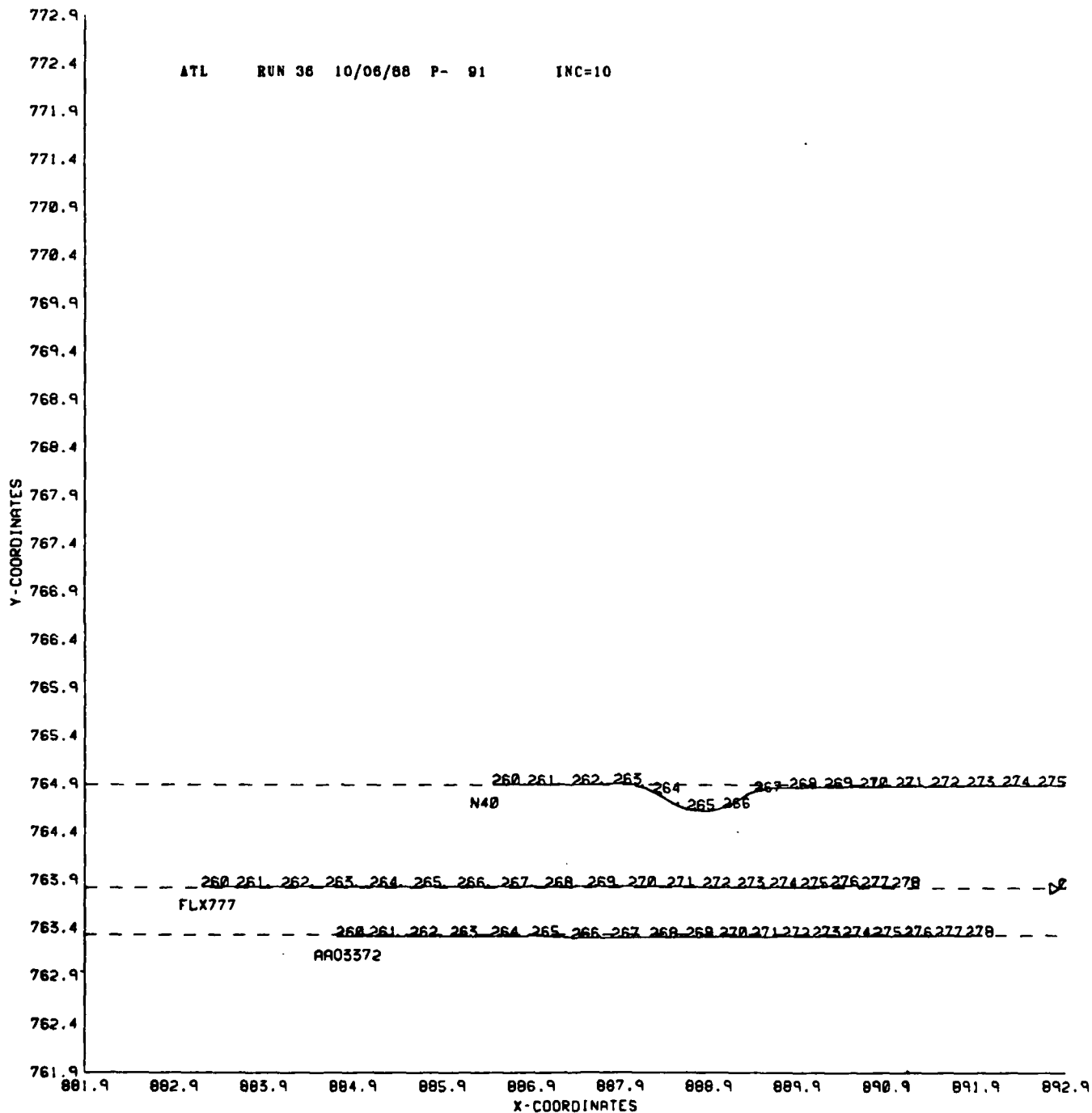
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TASK # 3300031

OP.PR

GCULD C.S.D. MPX-

INC	TIME	X	Y	ALT	TRACK	DISTANCE
235	2352	879.052	763.938	5737.	1060	.00
236	2359	879.416	763.938	5663.	1060	.36
237	2369	879.935	763.938	5437.	1060	.88
238	2379	880.453	763.937	5311.	1060	1.40
239	2389	880.970	763.937	5135.	1060	1.92
240	2399	881.485	763.936	4978.	1062	2.43
241	2409	882.011	763.935	5000.	1062	2.96
242	2419	882.563	763.934	4851.	1060	3.51
243	2429	883.142	763.933	4655.	1060	4.09
244	2439	883.750	763.932	4444.	1060	4.70
245	2449	884.384	763.931	4211.	1060	5.33
246	2459	885.040	763.931	3971.	1060	5.99
247	2469	885.680	763.930	3745.	1067	6.63
248	2479	886.296	763.930	3511.	1067	7.24
249	2489	886.887	763.961	3305.	1060	7.84
250	2499	887.453	763.954	3037.	1067	8.40
251	2509	887.997	763.949	2815.	1060	8.95
252	2519	888.519	763.944	2637.	1060	9.47
253	2529	889.018	763.939	2467.	1060	9.97





ATL

DATE OF RUN 10/06/88 RUN - 36 PLOT- 91

## N40 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
260	2601	826.576	764.996	3341.	1060	.00
261	2609	886.974	764.996	3209.	1060	.40
262	2619	897.469	764.994	3045.	1060	.89
263	2629	887.942	765.005	2886.	1067	1.37
264	2639	883.376	764.912	2729.	1000	1.82
265	2649	888.768	764.738	2572.	1000	2.25
266	2659	889.169	764.756	2414.	1000	2.65
267	2669	889.530	764.927	2257.	1066	3.05
268	2679	889.924	764.964	2109.	1060	3.45
269	2689	890.320	764.969	2080.	1060	3.85
270	2699	890.718	764.974	1948.	1060	4.24
271	2709	891.116	764.979	1817.	1067	4.64
272	2719	891.514	764.981	1685.	1060	5.04
273	2729	891.909	764.983	1553.	1067	5.44
274	2739	892.305	764.986	1435.	1060	5.83
275	2749	892.700	764.988	1305.	1060	6.23
276	2759	892.965	764.989	1154.	1201	6.49

## AA03372 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
260	2601	884.822	763.415	3842.	1067	.00
261	2609	885.188	763.417	3731.	1067	.37
262	2619	885.645	763.417	3591.	1067	.82
263	2629	886.101	763.417	3466.	1060	1.28
264	2639	886.557	763.417	3328.	1060	1.74
265	2649	887.011	763.418	3189.	1060	2.19
266	2659	887.464	763.400	3051.	1067	2.64
267	2669	887.913	763.399	2914.	1060	3.09
268	2679	888.342	763.403	2783.	1060	3.52
269	2689	888.748	763.406	2658.	1060	3.93
270	2699	889.133	763.408	2540.	1060	4.31
271	2709	889.495	763.410	2429.	1060	4.67
272	2719	889.840	763.413	2324.	1060	5.02
273	2729	890.184	763.415	2220.	1060	5.36
274	2739	890.526	763.418	2115.	1060	5.71
275	2749	890.868	763.420	2011.	1067	6.05
276	2759	891.210	763.422	1907.	1060	6.39
277	2769	891.552	763.425	1803.	1060	6.73
278	2779	891.893	763.427	1699.	1060	7.07

## FLX777 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
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03/17/89

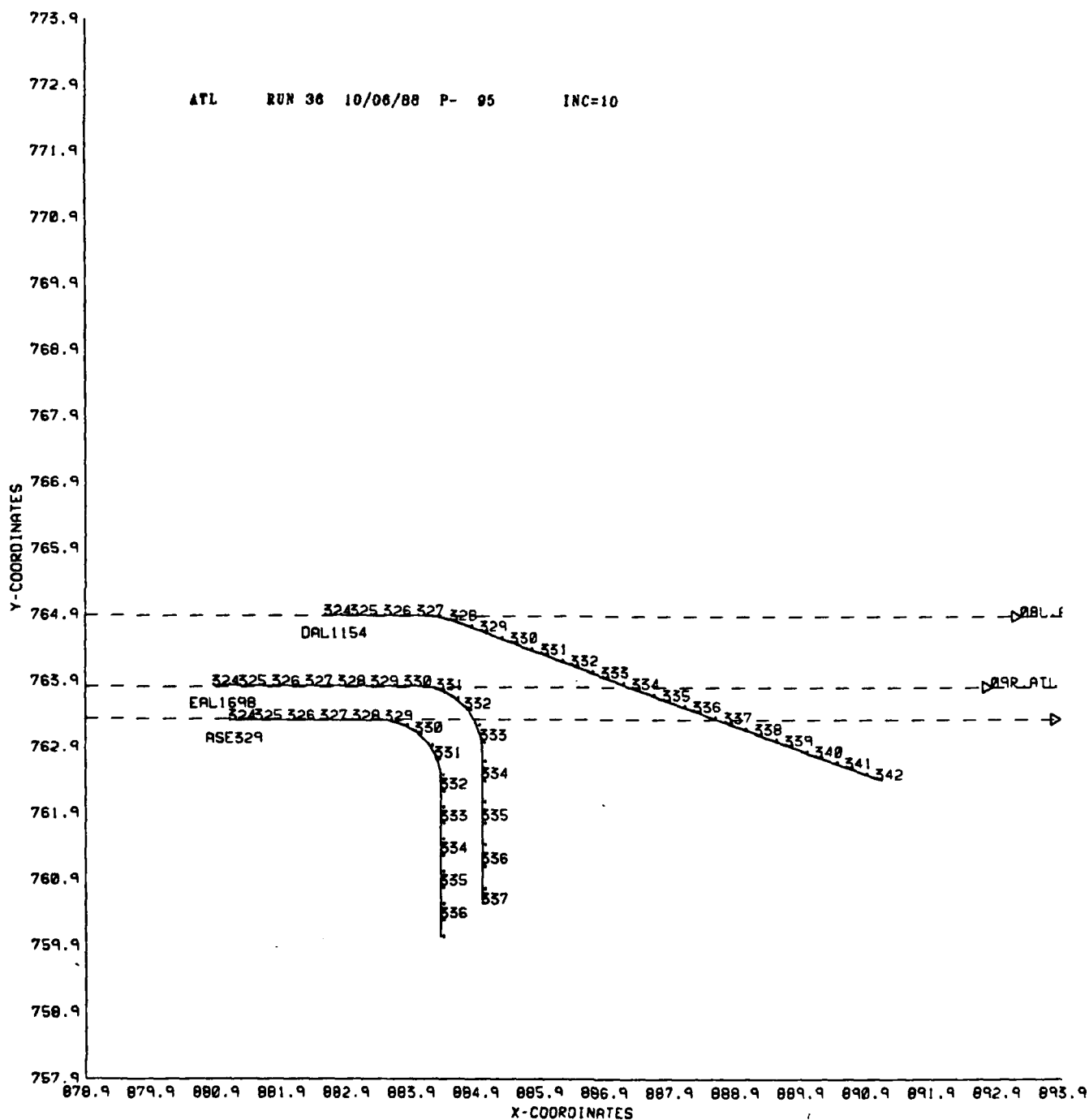
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TASK # 33000031

OP.PR

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260	2601	883.310	763.935	4334.	1060	.00
261	2609	883.709	763.934	4198.	1060	.40
262	2619	884.207	763.934	4029.	1060	.90
263	2629	884.702	763.933	3860.	1060	1.39
264	2639	885.198	763.933	3692.	1060	1.89
265	2649	885.691	763.932	3524.	1060	2.38
266	2659	886.184	763.932	3357.	1060	2.87
267	2669	886.675	763.931	3190.	1060	3.36
268	2679	887.166	763.931	3024.	1060	3.86
269	2689	887.646	763.931	2860.	1060	4.34
270	2699	888.102	763.931	2704.	1060	4.79
271	2709	888.536	763.931	2571.	1060	5.23
272	2719	888.948	763.929	2430.	1060	5.64
273	2729	889.337	763.928	2297.	1060	6.03
274	2739	889.705	763.928	2172.	1060	6.39
275	2749	890.051	763.928	2053.	1060	6.74
276	2759	890.393	763.944	1937.	1067	7.08
277	2769	890.735	763.942	1821.	1060	7.43
278	2779	891.075	763.937	1706.	1060	7.77



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TASK # 33000031

OP.PR

GCULD C.S.D. MPX-

ATL

DATE OF RUN 10/06/88 RUN - 36 PLOT- 95

## DAL1154 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
324	3241	882.062	765.002	4727.	1060	.00
325	3249	883.072	765.001	4591.	1067	.41
326	3259	883.582	765.001	4422.	1060	.92
327	3269	884.092	765.000	4253.	1060	1.43
328	3279	884.594	764.933	4085.	1000	1.94
329	3289	885.073	764.760	3916.	1000	2.45
330	3299	885.547	764.593	3748.	1000	2.95
331	3309	886.021	764.419	3579.	1000	3.45
332	3319	886.493	764.246	3411.	1000	3.96
333	3329	886.964	764.073	3242.	1000	4.46
334	3339	887.434	763.899	3074.	1000	4.96
335	3349	887.903	763.729	2905.	1000	5.46
336	3359	888.371	763.558	2737.	1000	5.96
337	3369	888.837	763.387	2568.	1000	6.45
338	3379	889.303	763.216	2400.	1000	6.95
339	3389	889.767	763.045	2231.	1000	7.45
340	3399	890.230	762.875	2063.	1000	7.94
341	3409	890.692	762.706	1895.	1000	8.43
342	3419	891.153	762.538	1726.	1000	8.92

## ASE329 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
324	3241	881.202	763.411	3994.	1060	.00
325	3249	881.602	763.413	3994.	1067	.40
326	3259	882.103	763.414	3994.	1060	.90
327	3269	882.603	763.414	3994.	1060	1.40
328	3279	883.104	763.414	3994.	1060	1.90
329	3289	883.604	763.410	3994.	1000	2.40
330	3299	884.063	763.236	3843.	1000	2.90
331	3309	884.369	762.860	3510.	1000	3.39
332	3319	884.449	762.385	3177.	1000	3.88
333	3329	884.449	761.900	2843.	1000	4.36
334	3339	884.449	761.418	2528.	1000	4.84
335	3349	884.449	760.927	2500.	1000	5.33
336	3359	884.449	760.437	2500.	1000	5.82

## EAL1698 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
324	3241	880.955	763.937	5126.	1067	.00
325	3249	881.363	763.937	4988.	1067	.41
326	3259	881.871	763.934	4815.	1060	.92

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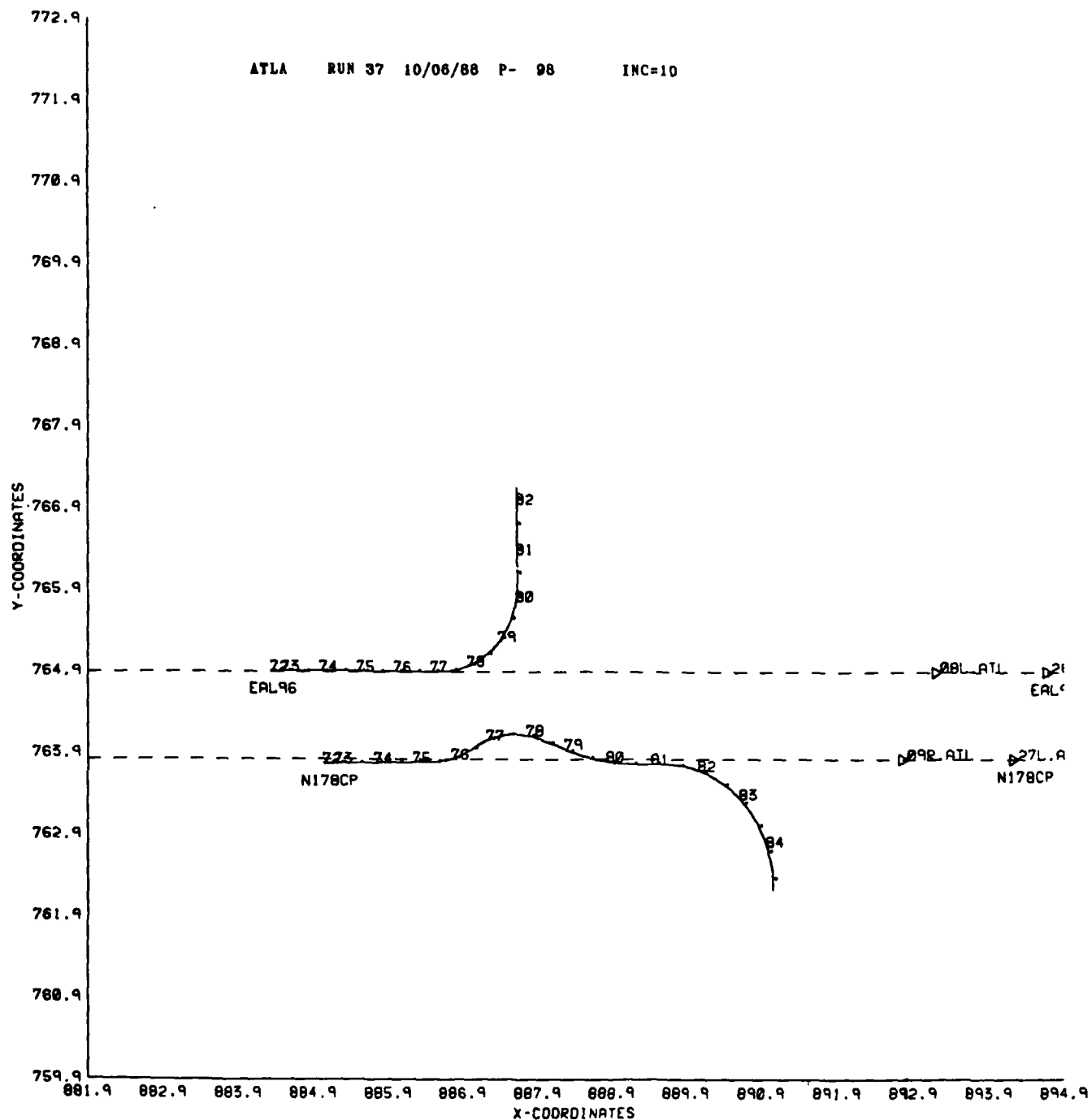
TASK # 33000031

OP.PR

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327	3269	882.379	763.934	4642.	1060	1.42
328	3279	882.885	763.934	4470.	1067	1.93
329	3289	883.390	763.934	4298.	1067	2.44
330	3299	883.893	763.934	4144.	1060	2.94
331	3309	884.396	763.886	4063.	1000	3.45
332	3319	884.827	763.604	4508.	1000	3.97
333	3329	885.069	763.123	5133.	1000	4.51
334	3339	885.092	762.543	5752.	1000	5.09
335	3349	885.092	761.914	5996.	1000	5.72
336	3359	885.092	761.261	6000.	1000	6.38
337	3369	885.092	760.648	6000.	1000	6.99

ATLA RUN 37 10/06/88 P- 98 INC=10



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GCULD C.S.D. MPX-3

ATLA

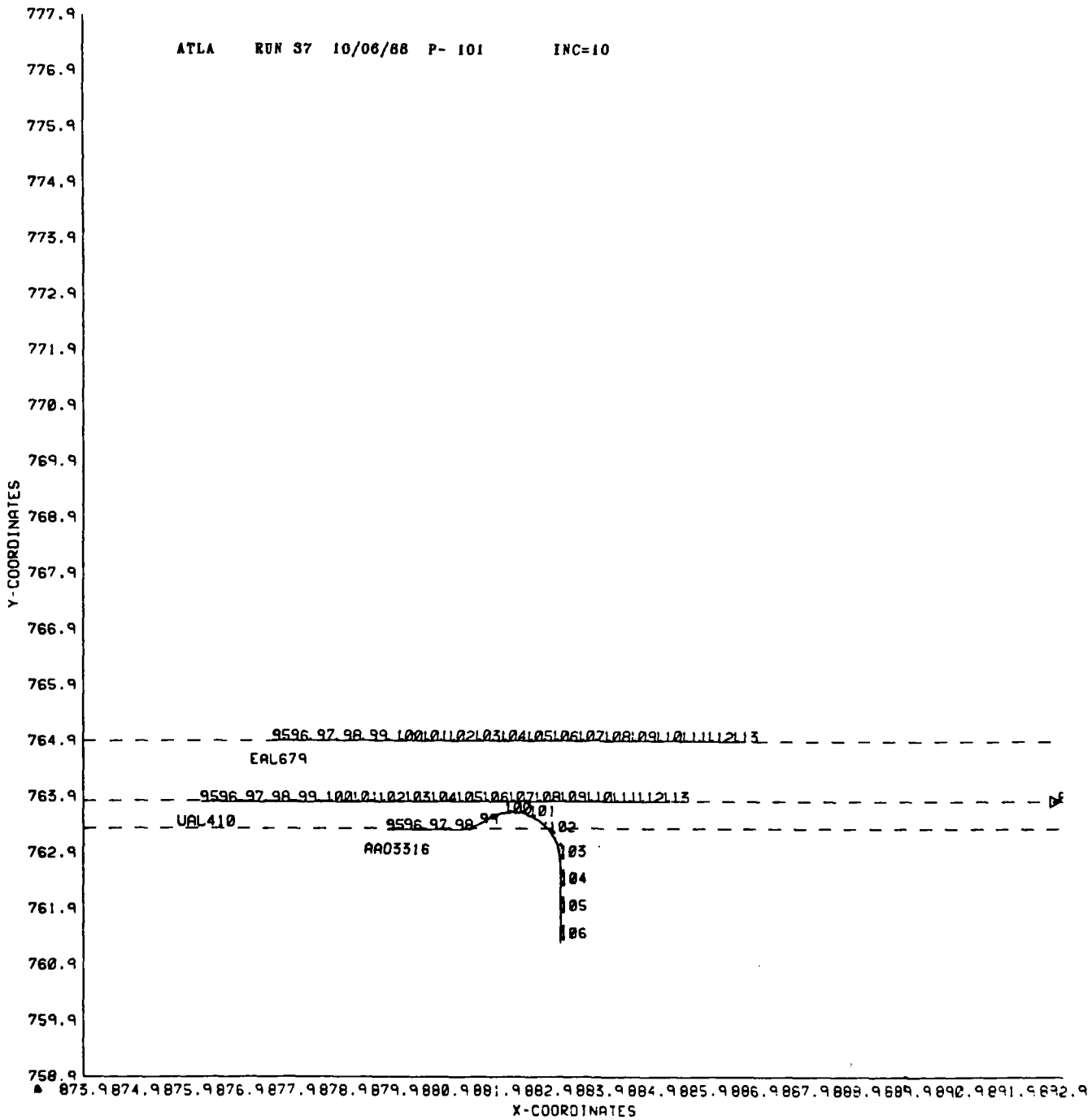
DATE OF RUN 10/06/38 RUN - 37 PLOT- 08

## N173CP ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	726	835.126	763.866	3725.	1060	.00
73	729	885.234	763.868	3672.	1067	.16
74	739	855.803	763.875	3494.	1060	.68
75	749	886.331	763.883	3316.	1060	1.20
76	759	806.349	763.922	3139.	1000	1.73
77	769	887.317	764.149	2979.	1000	2.25
78	779	887.844	764.210	3252.	1000	2.79
79	789	888.365	764.042	3912.	1000	3.33
80	799	888.926	763.886	4579.	1000	3.92
81	809	889.339	763.859	4976.	1000	4.53
82	819	890.164	763.786	5000.	1000	5.16
83	829	890.716	763.433	5000.	1000	5.83
84	839	891.073	762.355	5000.	1000	6.51

## EAL96 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
72	726	834.427	765.000	4132.	1060	.00
73	729	884.577	765.000	4083.	1060	.15
74	739	885.075	764.999	3918.	1060	.65
75	749	885.573	764.993	3753.	1060	1.15
76	759	886.069	764.995	3538.	1060	1.64
77	769	886.564	764.993	3424.	1060	2.14
78	779	887.058	765.059	3337.	1000	2.64
79	789	887.474	765.361	3773.	1000	3.16
80	799	887.696	765.860	4190.	1000	3.71
81	809	887.709	766.445	4607.	1000	4.30
82	819	887.709	767.050	4953.	1000	4.91





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ALGEO

GCULD C.S.D. MPX-

ATLA

DATE OF RUN 10/06/88 RUN - 37 PLOT- 101

## AA03316 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
95	952	879.859	763.409	3994.	1067	.00
96	959	880.209	763.410	3994.	1060	.35
97	969	880.710	763.411	3994.	1060	.85
98	979	881.210	763.412	3994.	1067	1.35
99	989	881.694	763.516	3994.	1000	1.85
100	999	882.151	763.710	3982.	1000	2.35
101	1009	882.634	763.661	3677.	1000	2.84
102	1019	883.025	763.379	3343.	1000	3.33
103	1029	883.222	762.940	3010.	1000	3.82
104	1039	883.233	762.458	2677.	1000	4.30
105	1049	883.233	761.971	2500.	1000	4.79
106	1059	883.233	761.481	2500.	1000	5.28

## EAL679 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
95	952	877.647	765.007	4994.	1067	.00
96	959	878.003	765.007	4994.	1060	.36
97	969	878.510	765.007	4994.	1067	.86
98	979	879.018	765.006	4994.	1060	1.37
99	989	879.526	765.006	4994.	1060	1.88
100	999	880.034	765.005	4994.	1060	2.39
101	1009	880.542	765.004	4994.	1060	2.89
102	1019	881.050	765.004	4994.	1060	3.40
103	1029	881.557	765.003	4982.	1060	3.91
104	1039	882.063	765.003	4815.	1060	4.42
105	1049	882.567	765.002	4648.	1067	4.92
106	1059	883.070	765.001	4481.	1060	5.42
107	1069	883.571	765.001	4315.	1060	5.92
108	1079	884.072	765.000	4149.	1060	6.42
109	1089	884.571	765.000	3984.	1060	6.92
110	1099	885.079	764.999	3819.	1060	7.42
111	1109	885.566	764.999	3654.	1067	7.92
112	1119	886.062	764.997	3490.	1060	8.41
113	1129	886.556	764.994	3326.	1060	8.91

## UAL410 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
95	952	876.256	763.902	5994.	1067	.00
96	959	876.615	763.902	5994.	1060	.36
97	969	877.127	763.904	5994.	1067	.87
98	979	877.640	763.905	5994.	1060	1.38

03/06/89

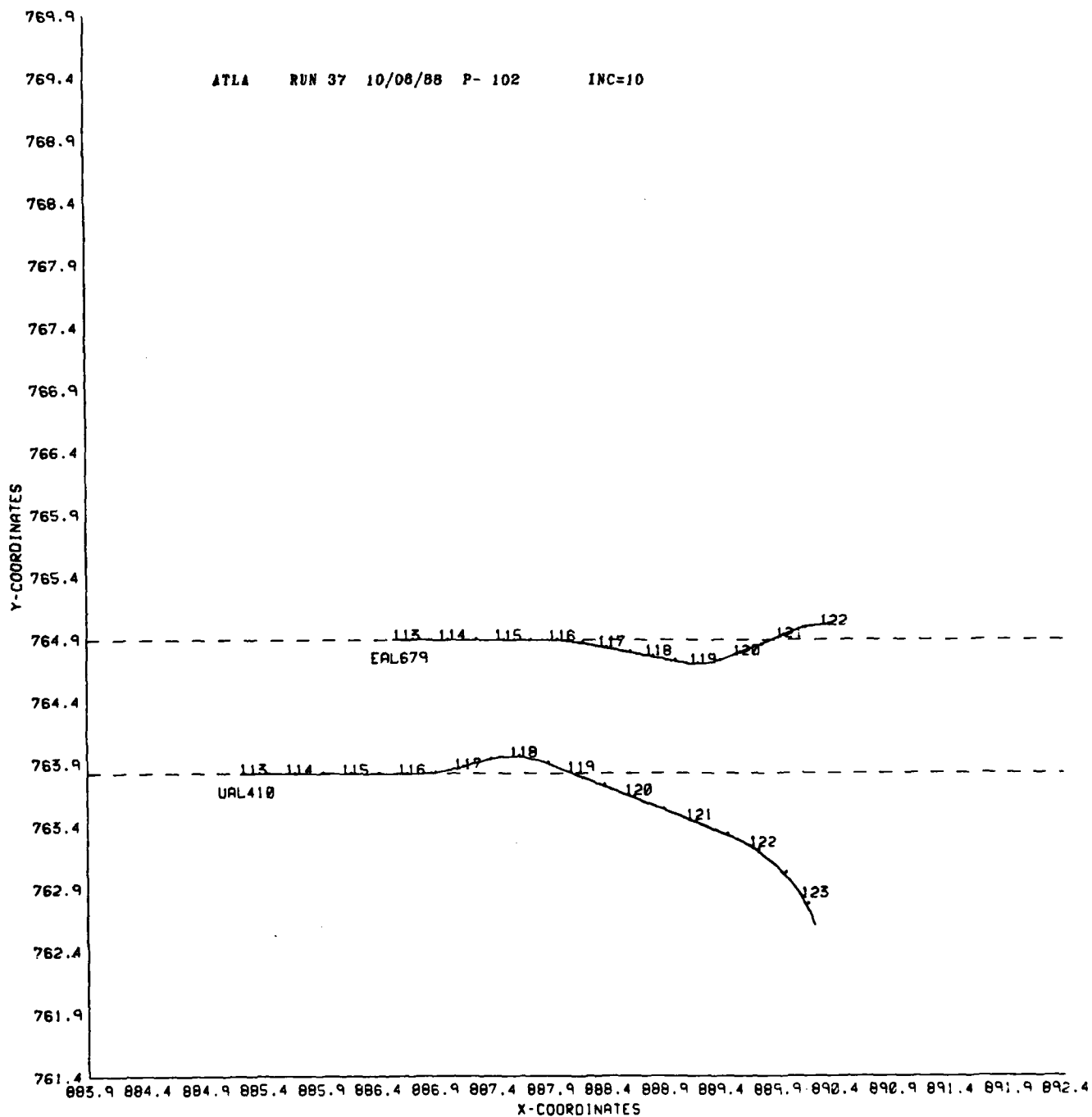
14:39:15

TASK # 37000099

ALGEO

GOULD C.S.D. MPX-

99	989	878.153	763.905	5994.	1060	1.90
100	999	878.666	763.905	5994.	1067	2.41
101	1009	879.177	763.906	5895.	1060	2.92
102	1019	879.687	763.906	5722.	1067	3.43
103	1029	880.196	763.907	5549.	1060	3.94
104	1039	880.704	763.908	5376.	1060	4.45
105	1049	881.209	763.909	5204.	1060	4.95
106	1059	881.715	763.909	5033.	1060	5.46
107	1069	882.218	763.910	4862.	1060	5.96
108	1079	882.721	763.911	4691.	1060	6.47
109	1089	883.221	763.911	4521.	1060	6.97
110	1099	883.722	763.912	4351.	1067	7.47
111	1109	884.220	763.913	4181.	1067	7.96
112	1119	884.718	763.916	4012.	1060	8.46
113	1129	885.213	763.917	3843.	1060	8.96



03/06/89

14:39:15

TASK # 370C0099

ALGEO

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ATLA

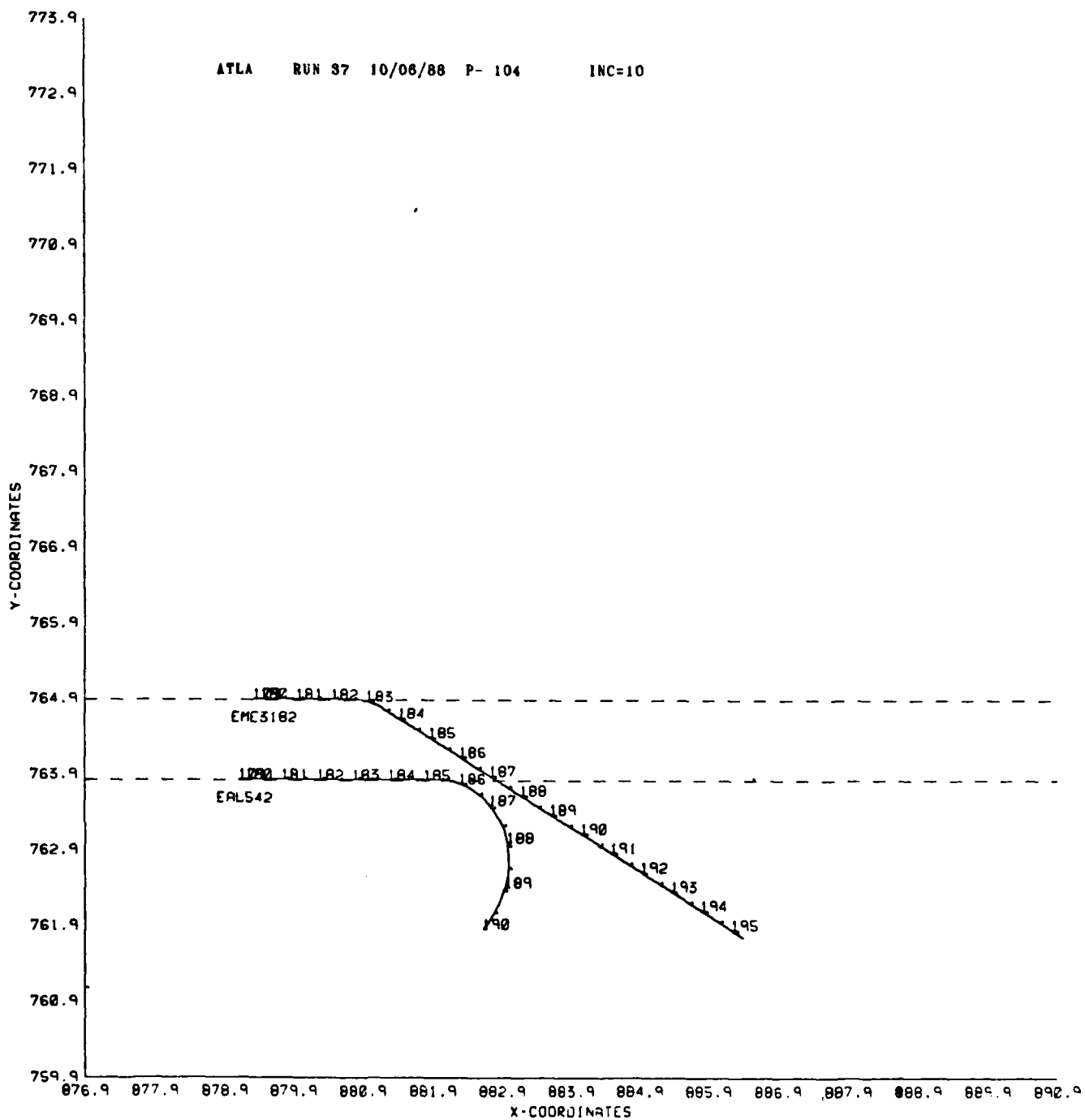
DATE OF RUN 10/06/88 RUN - 37 PLOT- 102

## EAL679 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1131	886.655	764.994	3293.	1060	.00
114	1139	887.049	764.992	3163.	1060	.39
115	1149	887.535	764.990	3001.	1060	.88
116	1159	887.999	764.990	2847.	1060	1.34
117	1169	888.437	764.939	2697.	1000	1.79
118	1179	888.849	764.865	2548.	1000	2.20
119	1189	889.245	764.798	2398.	1000	2.61
120	1199	889.635	764.869	2249.	1066	3.01
121	1209	890.011	765.006	2099.	1066	3.41
122	1219	890.393	765.107	1950.	1066	3.81

## UAL410 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
113	1131	885.312	763.917	3810.	1060	.00
114	1139	885.708	763.917	3675.	1060	.40
115	1149	886.202	763.917	3507.	1060	.89
116	1159	886.695	763.917	3340.	1060	1.38
117	1169	887.183	763.958	3173.	1000	1.87
118	1179	887.665	764.054	3066.	1000	2.37
119	1189	888.159	763.936	3401.	1000	2.88
120	1199	888.668	763.750	3817.	1000	3.42
121	1209	889.208	763.554	4234.	1000	3.99
122	1219	889.772	763.336	4651.	1000	4.60
123	1229	890.222	762.925	5068.	1000	5.22



03/06/89 14:39:15 TASK # 370G0099

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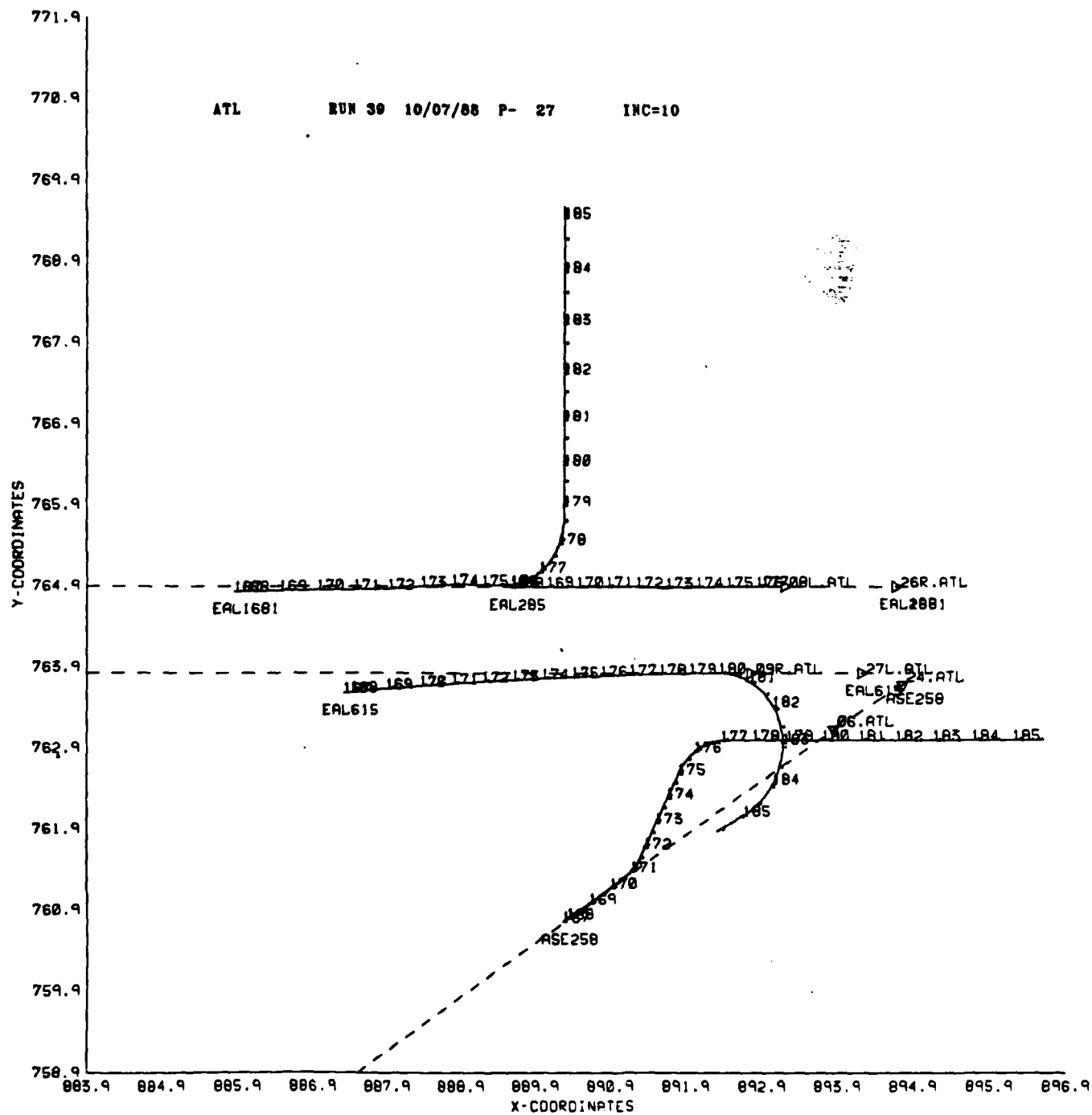
DATE OF RUN 10/06/88 RUN - 37 PLOT- 104

## EME3182 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
179	1797	879.425	765.006	4994.	1067	.00
180	1799	879.526	765.006	4994.	1067	.10
181	1809	880.034	765.005	4994.	1060	.61
182	1819	880.542	765.004	4994.	1060	1.12
183	1829	881.047	764.972	4994.	1000	1.62
184	1839	881.500	764.746	4994.	1000	2.13
185	1849	881.939	764.492	4994.	1000	2.64
186	1859	882.378	764.238	4994.	1000	3.15
187	1869	882.818	763.984	4994.	1000	3.66
188	1879	883.257	763.730	4994.	1000	4.16
189	1889	883.697	763.477	4994.	1000	4.67
190	1899	884.136	763.223	4994.	1000	5.18
191	1909	884.576	762.969	4994.	1000	5.69
192	1919	885.015	762.715	4994.	1000	6.19
193	1929	885.455	762.461	4994.	1000	6.70
194	1939	885.894	762.207	4994.	1000	7.21
195	1949	886.333	761.953	4994.	1000	7.72

## EAL542 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
179	1797	879.212	763.938	5719.	1060	.00
180	1799	879.315	763.938	5684.	1060	.10
181	1809	879.829	763.938	5509.	1060	.62
182	1819	880.341	763.937	5335.	1067	1.13
183	1829	880.853	763.937	5161.	1067	1.64
184	1839	881.363	763.935	4988.	1060	2.15
185	1849	881.871	763.935	4815.	1067	2.66
186	1859	882.329	763.887	4732.	1000	3.17
187	1869	882.818	763.680	5135.	1000	3.70
188	1879	883.067	763.106	5635.	1000	4.26
189	1889	883.040	762.512	6009.	1000	4.86
190	1899	882.720	761.962	6000.	1000	5.50



03/23/89

13:19:17

TASK # 22000199

ALGEO

GOULD C.S.D. MPX-

10/0

DATE OF RUN 7/8839

RUN <sup>29</sup>

27

PLOT-

## ASE258 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
167	1677	890.363	760.855	2382.	1060	.00
168	1679	890.423	760.895	2359.	1060	.07
169	1689	890.717	761.080	2248.	1067	.42
170	1699	891.001	761.270	2140.	1060	.76
171	1709	891.276	761.471	2033.	1000	1.10
172	1719	891.452	761.762	1926.	1000	1.44
173	1729	891.601	762.069	1819.	1000	1.79
174	1739	891.750	762.375	1712.	1000	2.13
175	1749	891.899	762.680	1605.	1000	2.46
176	1759	892.113	762.951	1710.	1000	2.81
177	1769	892.458	763.089	2043.	1000	3.19
178	1779	892.871	763.094	2376.	1000	3.60
179	1789	893.320	763.094	2710.	1000	4.05
180	1799	893.801	763.094	3043.	1000	4.53
181	1809	894.287	763.094	3376.	1000	5.02
182	1819	894.775	763.094	3710.	1000	5.51
183	1829	895.268	763.094	3983.	1000	6.00
184	1839	895.778	763.094	4000.	1000	6.51
185	1849	896.322	763.094	4000.	1000	7.05

## EAL285 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
167	1677	889.661	764.986	2242.	1060	.00
168	1679	889.741	764.987	2216.	1060	.08
169	1689	890.141	764.991	2083.	1067	.48
170	1699	890.539	764.994	1951.	1060	.88
171	1709	890.937	764.996	1819.	1060	1.28
172	1719	891.334	764.987	1688.	1067	1.67
173	1729	891.730	764.979	1556.	1060	2.07
174	1739	892.125	764.984	1425.	1060	2.47
175	1749	892.521	764.989	1294.	1060	2.86
176	1759	892.915	764.991	1164.	1200	3.25
177	1769	892.993	764.991	1046.	1201	3.33

## EAL615 ACTUAL FLIGHT:

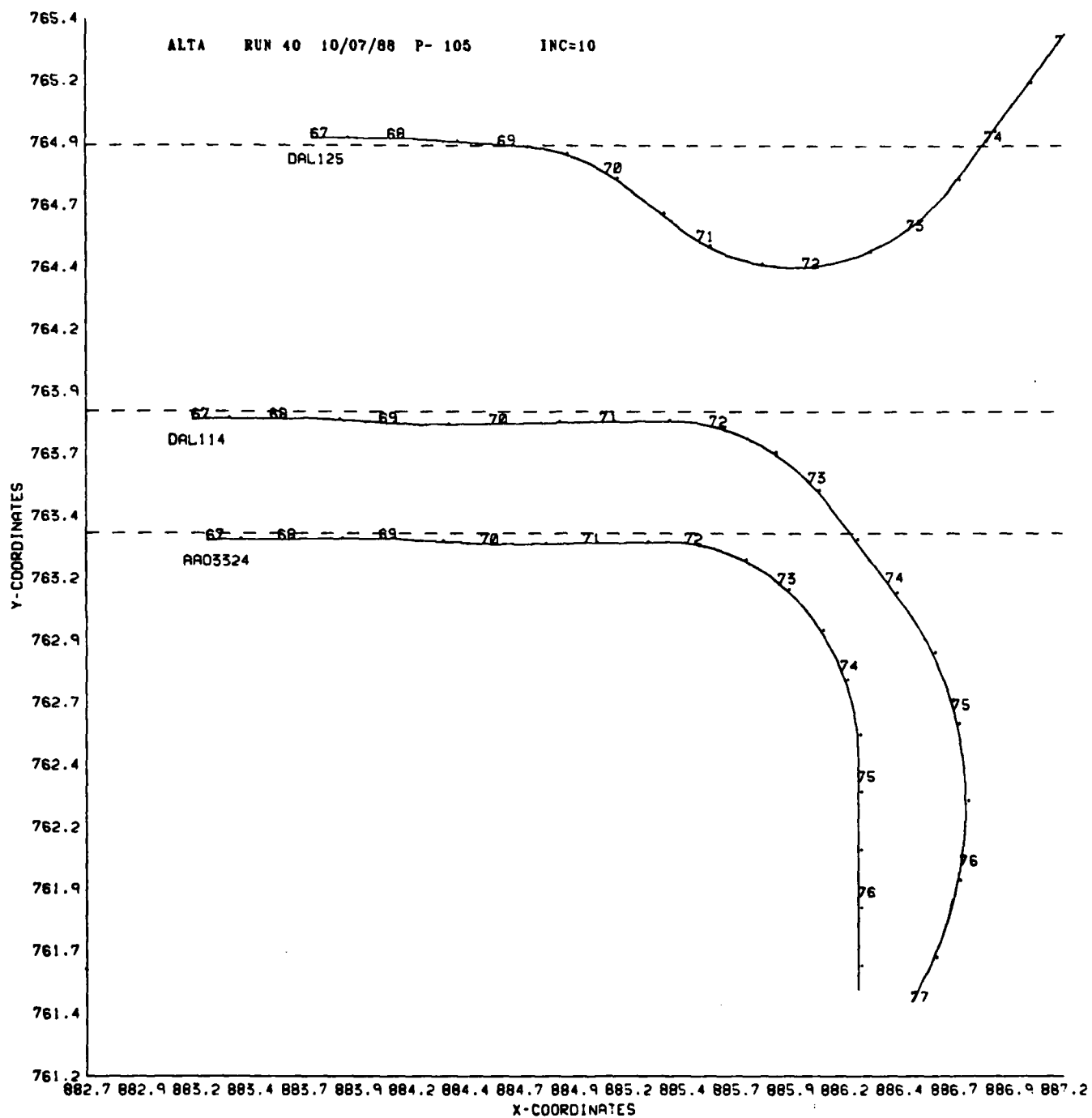
INC	TIME	X	Y	ALT	TRACK	DISTANCE
167	1677	887.405	763.677	3042.	1060	.00
168	1679	887.503	763.686	3002.	1060	.10
169	1689	887.982	763.727	2835.	1067	.58
170	1699	888.438	763.762	2664.	1060	1.04
171	1709	888.872	763.792	2503.	1060	1.47
172	1719	889.284	763.818	2350.	1060	1.88



173	1729	889.684	763.840	2208.	1060	2.29
174	1739	890.082	763.859	2053.	1067	2.68
175	1749	890.479	763.877	2066.	1062	3.08
176	1759	890.865	763.891	2472.	1067	3.47
177	1769	891.252	763.903	2889.	1062	3.85
178	1779	891.643	763.912	3306.	1062	4.25
179	1789	892.035	763.918	3722.	1062	4.64
180	1799	892.430	763.923	4139.	1062	5.03
181	1809	892.828	763.822	4556.	1000	5.45
182	1819	893.145	763.511	4972.	1000	5.90
183	1829	893.273	763.052	5389.	1000	6.38
184	1839	893.145	762.557	5806.	1000	6.90
185	1849	892.759	762.164	6001.	1000	7.45

## EAL1681 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
167	1677	885.960	764.931	3555.	1060	.00
168	1679	886.059	764.932	3522.	1060	.10
169	1689	886.554	764.939	3358.	1060	.59
170	1699	887.047	764.947	3195.	1060	1.09
171	1709	887.535	764.953	3033.	1060	1.58
172	1719	888.001	764.962	2878.	1067	2.04
173	1729	888.444	764.990	2727.	1060	2.49
174	1739	888.864	765.017	2587.	1060	2.91
175	1749	889.267	765.013	2453.	1060	3.31
176	1759	889.669	765.015	2338.	1000	3.71
177	1769	890.047	765.175	2622.	1000	4.13
178	1779	890.310	765.524	3039.	1000	4.57
179	1789	890.374	765.990	3455.	1000	5.04
180	1799	890.374	766.497	3872.	1000	5.55
181	1809	890.374	767.046	4000.	1000	6.10
182	1819	890.374	767.627	4000.	1000	6.68
183	1829	890.374	768.238	4000.	1000	7.29
184	1839	890.374	768.877	4000.	1000	7.93
185	1849	890.374	769.546	4000.	1000	8.60



ALTA

DATE OF RUN 10/07/88 RUN - 40 PLOT- 105

## DAL125 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
67	672	833.737	765.020	4131.	1060	.00
68	679	834.144	765.013	4063.	1060	.36
69	689	884.053	764.993	3894.	1067	.87
70	699	885.144	764.881	3726.	1000	1.37
71	709	885.571	764.609	3557.	1000	1.88
72	719	886.059	764.502	3389.	1000	2.39
73	729	886.534	764.653	3220.	1000	2.89
74	739	886.888	765.008	3052.	1000	3.40
75	749	837.210	765.393	2884.	1000	3.90

## AA03324 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
67	672	883.303	763.405	3494.	1060	.00
68	679	883.633	763.407	3494.	1060	.33
69	689	884.104	763.409	3494.	1060	.80
70	699	884.575	763.388	3494.	1067	1.27
71	709	885.047	763.390	3494.	1067	1.74
72	719	885.518	763.391	3482.	1000	2.22
73	729	885.946	763.231	3177.	1000	2.68
74	739	886.235	762.880	2843.	1000	3.14
75	749	886.313	762.433	2528.	1000	3.60
76	759	886.313	761.966	2500.	1000	4.06

## DAL114 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
67	672	883.236	763.891	4290.	1060	.00
68	679	883.595	763.892	4168.	1060	.36
69	689	884.185	763.877	3994.	1067	.87
70	699	884.615	763.872	3821.	1067	1.38
71	709	885.123	763.879	3648.	1060	1.89
72	719	885.631	763.864	3602.	1000	2.40
73	729	886.088	763.638	4116.	1000	2.91
74	739	886.441	763.234	4806.	1000	3.45
75	749	886.745	762.722	5000.	1000	4.05
76	759	886.780	762.094	5000.	1000	4.68
77	769	886.554	761.547	5000.	1000	5.28



ALTA

DATE OF RUN 10/07/88 RUN - 40 PLOT- 113

## ASE92 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
227	2278	886.560	763.386	3257.	1060	.00
228	2279	886.606	763.387	3243.	1067	.05
229	2289	887.065	763.392	3103.	1060	.51
230	2299	887.524	763.396	2963.	1060	.96
231	2309	887.975	763.419	2825.	1000	1.42
232	2319	888.364	763.596	2688.	1000	1.85
233	2329	888.761	763.660	2557.	1000	2.26
234	2339	889.115	763.536	2771.	1000	2.64
235	2349	889.340	763.264	3104.	1000	2.99
236	2359	889.398	762.928	3437.	1000	3.34
237	2369	889.398	762.552	3771.	1000	3.71
238	2379	889.398	762.182	4071.	1000	4.08

## DAL282 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
227	2278	883.230	763.945	4291.	1060	.00
228	2279	883.280	763.945	4274.	1060	.05
229	2289	883.780	763.954	4104.	1067	.55
230	2299	884.279	763.965	3934.	1067	1.05
231	2309	884.777	763.960	3764.	1060	1.55
232	2319	885.274	763.955	3595.	1060	2.04
233	2329	885.770	763.950	3427.	1060	2.54
234	2339	886.264	763.945	3276.	1060	3.04
235	2349	886.757	763.940	3108.	1060	3.53
236	2359	887.250	763.929	2941.	1067	4.02
237	2369	887.726	763.900	2775.	1060	4.50
238	2379	888.180	763.896	2620.	1060	4.95
239	2389	888.612	763.900	2472.	1060	5.38
240	2399	889.021	763.908	2333.	1067	5.79
241	2409	889.420	763.935	2196.	1060	6.19
242	2419	889.819	763.944	2060.	1060	6.59
243	2429	890.217	763.941	1925.	1067	6.99
244	2439	890.615	763.943	1790.	1060	7.39
245	2449	891.012	763.938	1655.	1060	7.79

## USA235 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
227	2278	882.497	764.952	4625.	1060	.00
228	2279	882.549	764.953	4608.	1060	.05
229	2289	883.059	764.955	4439.	1060	.56
230	2299	883.567	764.958	4270.	1060	1.07

03/17/89

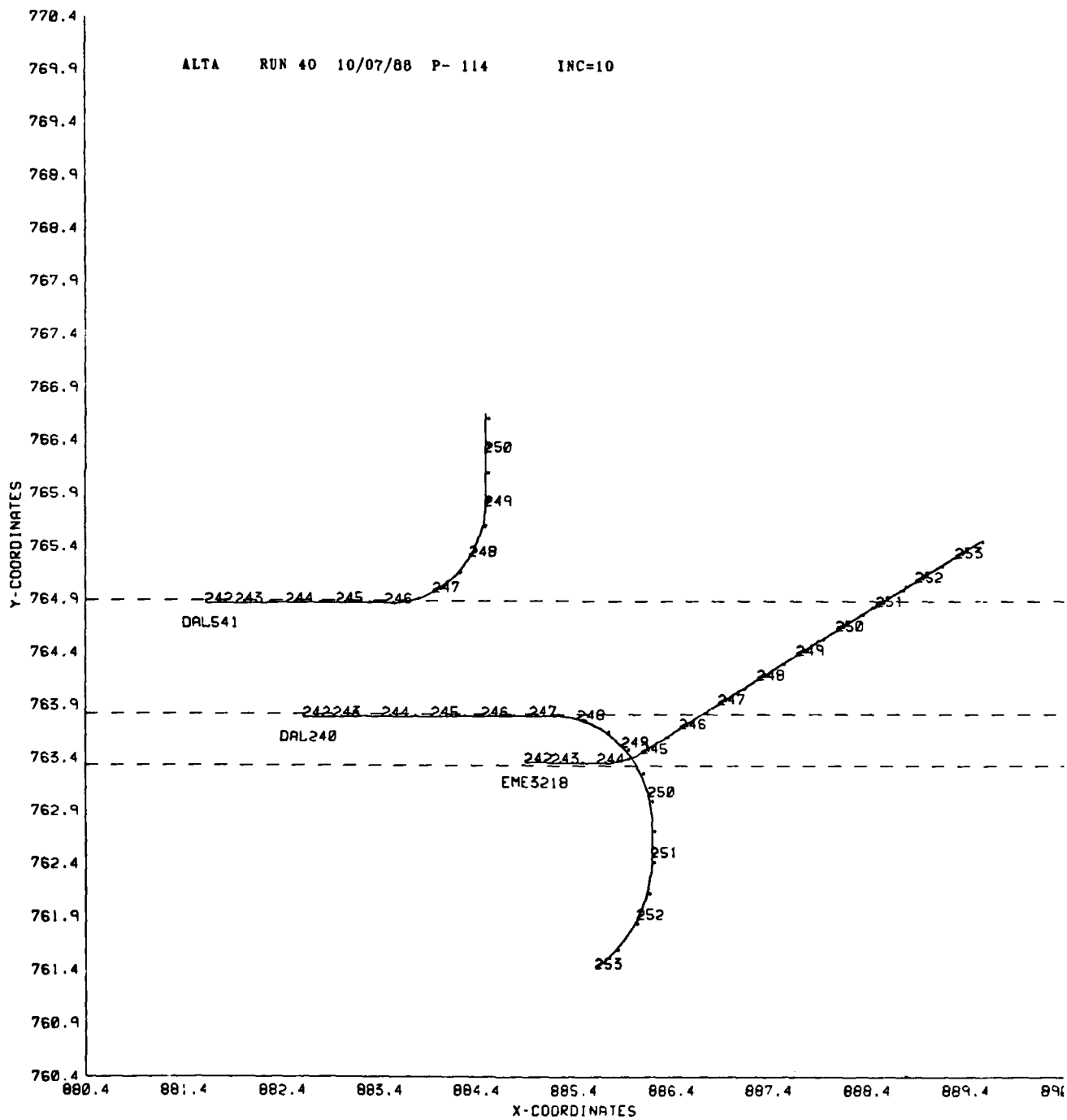
10:38:03

TASK # 27000058

OP.PR

GOULD C.S.D. MPX-

231	2309	884.077	764.960	4102.	1060	1.58
232	2319	884.583	764.979	3934.	1067	2.09
233	2329	885.088	765.001	3766.	1060	2.59
234	2339	885.592	765.023	3599.	1060	3.10
235	2349	886.095	765.017	3432.	1060	3.60
236	2359	886.598	765.012	3266.	1060	4.10
237	2369	887.098	764.986	3100.	1067	4.60
238	2379	887.590	764.957	2936.	1060	5.10
239	2389	888.058	764.976	2779.	1067	5.56
240	2399	888.504	765.007	2628.	1060	6.01
241	2409	888.928	765.016	2487.	1060	6.44
242	2419	889.332	765.013	2352.	1060	6.84
243	2429	889.732	765.003	2220.	1060	7.24
244	2439	890.133	765.003	2087.	1060	7.64
245	2449	890.531	764.935	1955.	1067	8.04



03/17/89

10:38:03

TASK # 270C0058

OP.PR

GCULD C.S.D. MPX-

ALTA

DATE OF RUN 10/07/88 RUN - 40 PLOT- 114

## EME3218 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
242	2423	384.997	763.461	3494.	1067	.00
243	2429	385.275	763.460	3494.	1060	.28
244	2439	385.739	763.453	3494.	1067	.74
245	2449	386.137	763.554	3494.	1000	1.21
246	2459	386.538	763.787	3494.	1000	1.67
247	2469	386.989	764.019	3494.	1000	2.13
248	2479	387.389	764.250	3494.	1000	2.59
249	2489	387.799	764.482	3494.	1000	3.06
250	2499	388.190	764.714	3494.	1000	3.52
251	2509	388.590	764.946	3494.	1000	3.98
252	2519	388.990	765.178	3494.	1000	4.45
253	2529	389.391	765.410	3494.	1000	4.91

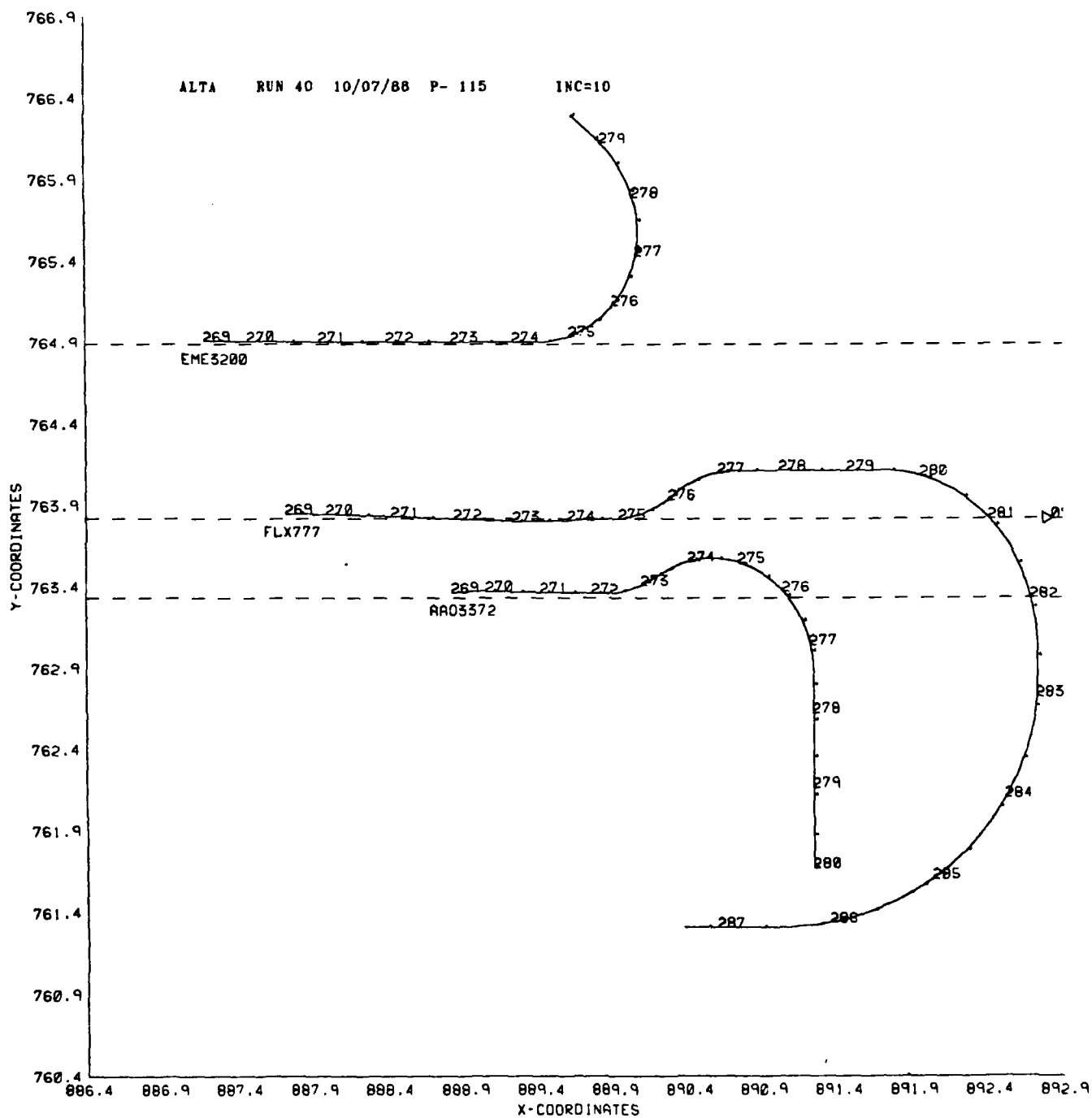
## DAL240 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
242	2423	882.716	763.888	4559.	1060	.00
243	2429	883.023	763.889	4455.	1060	.31
244	2439	883.533	763.892	4281.	1060	.82
245	2449	884.042	763.894	4108.	1060	1.33
246	2459	884.550	763.896	3996.	1062	1.83
247	2469	885.047	763.899	4389.	1062	2.33
248	2479	885.537	763.870	4924.	1000	2.82
249	2489	885.984	763.615	5000.	1000	3.34
250	2499	886.257	763.146	5000.	1000	3.89
251	2509	886.295	762.571	5000.	1000	4.47
252	2519	886.145	761.989	5000.	1000	5.08
253	2529	885.718	761.523	5000.	1000	5.72

## DAL541 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
242	2423	881.723	764.963	4863.	1060	.00
243	2429	882.030	764.964	4761.	1060	.31
244	2439	882.543	764.967	4591.	1060	.82
245	2449	883.053	764.969	4422.	1060	1.33
246	2459	883.563	764.968	4253.	1067	1.84
247	2469	884.054	765.073	4085.	1000	2.35
248	2479	884.426	765.411	4000.	1000	2.86
249	2489	884.579	765.891	4000.	1000	3.37
250	2499	884.579	766.401	4000.	1000	3.88





03/17/89

10:38:03

TASK # 27000058

OP.PR

GCULD C.S.D. MPX-

ALTA

DATE OF RUN 10/07/88 RUN - 40 PLOT- 115

## AA05372 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
269	2693	888.920	763.466	2538.	1067	.00
270	2699	889.148	763.472	2477.	1060	.23
271	2709	889.511	763.466	2366.	1060	.59
272	2719	889.857	763.461	2260.	1060	.94
273	2729	890.194	763.512	2156.	1000	1.28
274	2739	890.503	763.656	2051.	1000	1.62
275	2749	890.841	763.650	1947.	1000	1.97
276	2759	891.139	763.471	2054.	1000	2.32
277	2769	891.319	763.143	2388.	1000	2.70
278	2779	891.342	762.723	2500.	1000	3.12
279	2789	891.342	762.264	2500.	1000	3.58
280	2799	891.342	761.773	2500.	1000	4.07

## FLX777 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
269	2693	887.821	763.949	2884.	1060	.00
270	2699	888.093	763.946	2785.	1060	.27
271	2709	888.527	763.932	2634.	1067	.71
272	2719	888.938	763.917	2478.	1060	1.12
273	2729	889.327	763.903	2339.	1060	1.51
274	2739	889.694	763.908	2201.	1067	1.87
275	2749	890.041	763.920	2079.	1060	2.22
276	2759	890.370	764.041	2293.	1000	2.58
277	2769	890.702	764.202	2793.	1000	2.95
278	2779	891.114	764.215	3293.	1000	3.36
279	2789	891.565	764.215	3793.	1000	3.81
280	2799	892.053	764.184	4293.	1000	4.30
281	2809	892.507	763.919	4793.	1000	4.83
282	2819	892.788	763.430	5293.	1000	5.40
283	2829	892.887	762.823	5793.	1000	6.02
284	2839	892.615	762.203	5989.	1000	6.68
285	2849	892.138	761.704	6000.	1000	7.38
286	2859	892.450	761.436	6000.	1000	8.11
287	2869	890.695	761.409	6000.	1000	8.87

## EME3200 ACTUAL FLIGHT:

INC	TIME	X	Y	ALT	TRACK	DISTANCE
269	2693	887.279	765.011	3017.	1060	.00
270	2699	887.573	765.008	2919.	1060	.29
271	2709	888.044	765.007	2761.	1067	.77
272	2719	888.493	765.007	2624.	1060	1.21

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273	2729	888.919	765.007	2482.	1060	1.64
274	2739	889.323	765.007	2346.	1067	2.04
275	2749	889.702	765.041	2217.	1000	2.43
276	2759	890.001	765.233	2090.	1000	2.79
277	2769	890.156	765.537	1999.	1000	3.13
278	2779	890.135	765.896	2280.	1000	3.50
279	2789	889.917	766.228	2496.	1000	3.90